

19980717.qrp v01_n155.qrs.980717

Date: Fri, 17 Jul 1998 19:03:11 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1155

QRP-L Digest 1155

Topics covered in this issue include:

- 1) [15269] Solar Update 16JUL
by Paul Harden <pharden@aoc.nrao.edu>
- 2) [15270] Re: QSL Cards?
by "John J. McDonough" <jjmcd@tm.net>
- 3) [15271] MRF477
by Wayne Montague <montaw@tdbank.ca>
- 4) [15272] WANTED: SST20
by w2bj@juno.com
- 5) [15273] RE:qsl cards
by RangerSF5@aol.com
- 6) [15274] The boxes are out there! Aluminum extruded &c
by nilsbull@juno.com (Nils R Young)
- 7) [15275] Re: Using a Mechanical Bug (not just QRP)
by Ed <edn4pk@voyageronline.net>
- 8) [15276] Argonaut 509
by Don Bowen <don.bowen@chrysalis.org>
- 9) [15277] Re: TURN IT UPSIDED DOWN
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 10) [15278] FS or Trade: Index Labs QRP++ QRP xcvr
by n3bj@hotmail.com
- 11) [15279] Bugs, slugs, lugs, mugs & timing chains
by nilsbull@juno.com (Nils R Young)
- 12) [15280] Results: TAContest
by kt3a@juno.com (Cameron C.R. Bailey)
- 13) [15281] TAContest Soapbox Comments
by kt3a@juno.com (Cameron C.R. Bailey)
- 14) [15282] Re: MFJ 9020 xcvr
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 15) [15283] Key page
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 16) [15284] IS ANYONE USING THE FREQ MITE WITH OHR-100?
by Mike Duke <K5xu@cris.com>
- 17) [15285] Morse Kybd
by dave_epps@juno.com
- 18) [15286] High Speed CW. . .HELP!!!
by Ward Hill <w_hill@ns.net>
- 19) [15287] Giving QRP Talk

- by "Heron, George" <G.Heron@dialogic.com>
- 20) [15288] Bug Practice / Operation
by JkHampton@aol.com
- 21) [15289] Re: MFJ 9020 xcvr/Detent RIT Does not mean it's a later/newer rig
by RangerSF5@aol.com
- 22) [15290] very happy bug user
by Ab7wy@aol.com
- 23) [15291] 38S Aduio Mute Switch - J309 ok?
by astone@erols.com
- 24) [15292] Re: MFJ 9020 xcvr
by RangerSF5@aol.com
- 25) [15293] QST Coverage of QRP Dayton Activities
by "Robert J. Gobrick" <rgobrick@worldnet.att.net>
- 26) [15294] Re: very happy bug user
by Monte Stark <ku7y@dri.edu>
- 27) [15295] Re: looking for info on
by applitech@mcg.net (Claton Cadmus)
- 28) [15296]
by "Keith W. Martin" <martins@ccosmo.net>
- 29) [15297] Bugs and the consequences
by N9DD@aol.com
- 30) [15298] High Speed CW. . .HELP!!!
by "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
- 31) [15299] Howe Schematic needed
by Jim Stafford W4QO <w4qo@america.net>
- 32) [15300] WHY TAPES???
by RangerSF5@aol.com
- 33) [15301] RE: Unisolar Solar Panel Sold
by "GREGORY HEATH" <KB2QQM@email.msn.com>
- 34) [15302] Re: High Speed CW. . .HELP!!!
by Jerry Parker <jparker@fix.net>
- 35) [15303] RE: possible INRAD 9 MHz filters for Ten Tec rigs
by Tracy@bytemark.com (Tracy)
- 36) [15304] 10.7 MHz filters FS
by W7LS <w7ls@blarg.net>
- 37) [15305] CB TO 10
by Jerry Parker <jparker@fix.net>
- 38) [15306] Re: Magnetic Loops and Qrp
by "GREGORY HEATH" <KB2QQM@email.msn.com>
- 39) [15307] Re: possible INRAD 9 MHz filters for Ten Tec rigs
by Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>
- 40) [15308] Know of any Linears for the Hw-8?
by "GREGORY HEATH" <KB2QQM@email.msn.com>
- 41) [15309] 38S Low power
by Norm Melick <henmel@postoffice.worldnet.att.net>
- 42) [15310] Re: QSL Cards?
by "Frank A. West" <ke6vhm@earthlink.net>
- 43) [15311] CT1ETT/P/QRP on the air

by Rogerio Gonzaga <gonzaga@med.up.pt>
44) [15312] Re: Spectrum Analyzer Article.....
by w4pj@w4bkk.ampr.org
45) [15313] Dry run of BB Site.
by "Ron Polityka" <wb3aal@talon.net>
46) [15314] Re: High Speed CW. . .HELP!!!
by Bruce Muscolino <w6toy@erols.com>
47) [15315] Re: Spectrum Analyzer Article
by w4pj@w4bkk.ampr.org
48) [15316] RE: Tanner-White Receiver
by "Harry T. Hurst" <hhurst@delaware.infi.net>
49) [15317] The Bug thing
by Gary Oneil <n3go@us.ibm.com>
50) [15318] Re: High Speed CW. . .HELP!!!
by w0yse@juno.com (Neil Klagge)
51) [15319] Re: Bugs and the consequences
by "John J. McDonough" <jjmcd@tm.net>
52) [15320] Tanner Electronics
by adams@chuck.dallas.sgi.com (Chuck Adams)
53) [15321] RE: Know of any Linears for the Hw-8?
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
54) [15322] Re: Bugs and the consequences
by nhoop@centuryinter.net (Nat H)
55) [15323] Inverted Verticals "The TURN IT UPSIDE DOWN" Thread
by Gary Oneil <n3go@us.ibm.com>
56) [15324] Re: High Speed CW. . .HELP!!!
by adams@chuck.dallas.sgi.com (Chuck Adams)
57) [15325] WHY TAPES???
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
58) [15326] QSL Cards
by "Bryan Turner" <turnerw@email.uah.edu>
59) [15327] Postponed = Dry run of Bumblebee Site.
by "Ron Polityka" <wb3aal@talon.net>
60) [15328] RE:
by cy r currier <crc3@telplus.net>
61) [15329] Re: Know of any Linears for the Hw-8?
by "Ed Hare, W1RFI" <ehare@arrl.org>
62) [15330] Re: Bugs and the consequences
by Scott Howell <showell@hq.nasa.gov>
63) [15331] Re: Know of any Linears for the Hw-8?
by Zack Lau <zlau@arrl.org>
64) [15332] Idea for PC Board Etching
by "Brad Hernlem" <alihernlem@hotmail.com>
65) [15333] Re: High Speed CW. . .HELP!!!
by Richard Brittingham <rbritt@visi.net>
66) [15334] HOMEBREW QSL CARD
by ARDUJENSKI@aol.com
67) [15335] Re: TURN IT UPSIDED DOWN

- by Ed Loranger <we6w@qsl.net>
- 68) [15336] QEX Technical Editor
by Chris Trask <ctrask@primenet.com>
- 69) [15337] Audio preamp--Help!--More clarification.
by ke4tsa@juno.com (Michael F Danchi)
- 70) [15338] Question about SG-2020
by w4bld@juno.com (Robert B. Kerby)
- 71) [15339] BUGS, SPEED, HEAD COPY... AND FINAL LINK IN THE CHAIN
by jdenison@morelr.com (JOEL DENISON)
- 72) [15340] Ft. Tuthill Hamfest/QRP Symposium
by Bob Hightower <ki7mn@dancris.com>
- 73) [15341] Re: Bugs and the consequences
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 74) [15342] Re: MRF477
by Zack Lau <zlau@arrl.org>
- 75) [15343] TR switching in the IC-202 ?
by Paul Erickson <paule@sfu.ca>
- 76) [15344] Fw: TenTec Argosy II w/matching power supply, MFJ-447 Keyer, dummy
load, paddle, bencher RJ-1 key
by "GARY McCAUGHEY" <MAIL4GARY@worldnet.att.net>
- 77) [15345] Bugs and ETC
by Monte Stark <ku7y@dri.edu>
- 78) [15346] Re: QSL Cards
by Tellefsen Bob-CNSE97 <cns97@lmpsil02.comm.mot.com>
- 79) [15347] Re: 11-2-10 project
by Steven Weber <kd1jv@moose.ncia.net>
- 80) [15348] RE: Tanner-White Receiver
by "Harry WA3PTG " <hhurst@delaware.infi.net>
- 81) [15349] WTB: QRP rig for roommate
by KC5TJA <kc5tja@topaz.axisinternet.com>
- 82) [15350] Re: Bugs and the consequences
by Ed Loranger <we6w@qsl.net>
- 83) [15351] CQC Events this weekend
by "Marshall Emm" <mgemm@mtechnologies.com>
- 84) [15352] Re: High Speed CW. . .HELP!!!
by Ed Tanton <n4xy@att.net>
- 85) [15353] Re: Know of any Linears for the Hw-8?
by "George T. Baker" <w5yr@swbell.net>
- 86) [15354] Sudden?neophyte?Epiphyte help needed
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 87) [15355] Electronic Workbench
by "Jim Kortge, K8IQY" <jokortge@mci2000.com>
- 88) [15356] Re: Electronic Workbench
by Luke Stras <stras@ecf.utoronto.ca>
- 89) [15357] Re: Electronic Workbench
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 90) [15358] Re: Bugs and ETC
by "George T. Baker" <w5yr@swbell.net>

- 91) [15359] Re: QEX Editor
by "Tracy, Michael, KC1SX" <mtracy@arrl.org>
- 92) [15360] GelCell Charge Indicator
by "Laurent C. Lafond" <aa1qj@ids.net>
- 93) [15361] Re: Question about SG-2020
by "George T. Baker" <w5yr@swbell.net>
- 94) [15362] Poztponing e-mail from qrp-l
by plundy@max.state.ia.us (Paul Lundy)
- 95) [15363] Re: Electronic Workbench
by Luke Stras <stras@ecf.utoronto.ca>
- 96) [15364] Re: [CW] Re: High Speed CW. . .HELP!!!
by "George T. Baker" <w5yr@swbell.net>
- 97) [15365] Re: QSL Cards
by Mike - W0TMW <crucis@sky.net>
- 98) [15366] Re: QEX Technical Editor
by Zack Lau <zlau@arrl.org>
- 99) [15367] Atmel AVR microcontroller proto PCB
by Leon Heller <leon@lfheller.demon.co.uk>
- 100) [15368] Re: Electronic Workbench
by "George T. Baker" <w5yr@swbell.net>
- 101) [15369] Re: Poztponing e-mail from qrp-l
by Ed Loranger <we6w@qsl.net>
- 102) [15370] Summary for QRP-L Commands
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 103) [15371] Ft Tuthilll
by "KA5T Larry Wise" <lewise@inetport.com>
- 104) [15372] 11-2-10M - Steve's proto running at 3.5 watts...
by Conrad <radman@best.com>
- 105) [15373] Re: Know of any Linears for the Hw-8?
by Zack Lau <zlau@arrl.org>
- 106) [15374] That Bug thing
by w4pj@w4bkx.ampr.org
- 107) [15375] Re: Bugs, et.al.
by w0yse@juno.com (Neil Klagge)
- 108) [15376] W4PJ
by John Burnley <JBurnley@ifmc.org>
- 109) [15377] Re: CB T0 10
by SKIPNC90@aol.com
- 110) [15378] Re: QSL Cards
by Shepherd@aol.com
- 111) [15379] Re: Know of any Linears for the Hw-8?
by RABRUNER@aol.com
- 112) [15380] Re: WHY TAPES???
- by "Robert Roach" <KE4Q0K@worldnet.att.net>
- 113) [15381] HOMEBREW QSL CARD
by w4pj@w4bkx.ampr.org
- 114) [15382] Hijame Suzuki's remarkable RX
by MNHopkins@aol.com

115) [15383] Re: Spectrum Analyzer Article in Aug 98 QST
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
116) [15384] Re: QSL Cards
by nhoop@centuryinter.net (Nat H)

Date: Thu, 16 Jul 1998 17:04:33 -0600 (MDT)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Subject: [15269] Solar Update 16JUL
Message-ID: <Pine.SOL.3.91.980716164250.2805A-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There seems to be confusion as to the cause of the sudden increase in solar wind that triggered geomagnetic activity today. It was at first believed to be caused by an M-class flare on tuesday, but it now appears to be due to a "coronal hole" facing the earth, which is spewing out solar mass, like a flare, but at a much more constant rate. These are things that the SOHO satellite measures and gives the Earth 4-6 hours of early warning on from it's position about 13 million miles from the Earth. (14% of the way to the sun). But with the SOHO in full failure mode, the loss of this instrument is being felt ... evident by the lack of positive identification of the source of todays sudden increase in solar wind.

If the solar wind is due strictly to the coronal hole (which appears to be the case), then MINOR GEOMAGNETIC STORMING is the most that will be experienced. With the solar wind at 700 km/s, that is insufficient to cause much more than that.

The A-index is currently at 40 ... a MINOR storm level. It is unlikely that MAJOR or SEVERE storming will occur today, unless another increase in solar wind from the M-class flare occurs shortly. Although, the window of opportunity for that is quickly passing, and reflected by the SEVERE STORM ALERT being cancelled. A MINOR storm will dissipate quickly to just unsettled conditions tomorrow, and likely quiet for the weekend.

> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
> SDF NUMBER 197 ISSUED AT 2200Z ON 16 JUL 1998
> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 15/2100Z
> TO 16/2100Z: SOLAR ACTIVITY HAS BEEN LOW.

> IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN
> LOW WITH THE POSSIBILITY OF M-CLASS ACTIVITY FROM REGIONS 8273 AND
> 8274.

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 15/2100Z TO 16/2100Z:
> THE GEOMAGNETIC FIELD RANGED FROM UNSETTLED CONDITIONS TO MINOR STORM
> CONDITIONS. THE CAUSE OF THIS ACTIVITY APPEARS TO BE A
> GEO-EFFECTIVELY POSITIONED CORONAL HOLE. SOLAR WIND SPEEDS ROSE
> FROM 300 KM/S NEAR THE START OF THE UT DAY TO NEARLY 700 KM/S FROM
> 06-1400 UT.

Geo-effectively positioned just means the particle out-flow will strike and effect the Earth. 300 km/s is the normal, undisturbed solar wind speed. A shockwave from a large flare will elevate the solar wind to 1000 to 2000 km/s, while 700 km/s is very typical solar wind speed due to a coronal hole outflow.

> IV. PENTICTON 10.7 CM FLUX
> OBSERVED 16 JUL 106
> PREDICTED 17 JUL-19 JUL 106/107/108
> 90 DAY MEAN 16 JUL 107

> V. GEOMAGNETIC A INDICES
> OBSERVED AFR/AP 15 JUL 002/005
> ESTIMATED AFR/AP 16 JUL 025/040
> PREDICTED AFR/AP 17 JUL-19 JUL 015/018-012/012-010/012

> NOTICE: GOES-9 CONTINUES TO OPERATE AND XRS DATA HAVE
> BEEN CONTINUOUS. FAILURE COULD OCCUR AT ANY TIME.
> GOES-10 IS NEARING OPERATIONAL STATUS.

GOES-10 is being moved into position now to replace GOES-9, which will take another couple of days. The GOES satellite, and the LASCO satellite, are now the premier instruments for solar data. However, due to their close Earth orbits, well inside our own magnetic field, the instruments have a smaller dynamic range of measurements, and sudden increases in solar wind, for example, gives only a few minutes of advance warning to Earth, compared to hours offered by SOHO.

72, Paul NA5N

Date: Thu, 16 Jul 1998 20:53:08 -0400
From: "John J. McDonough" <jjmcd@tm.net>
To: <rkeener@realtime.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [15270] Re: QSL Cards?
Message-ID: <199807162324.9077400@is1.tm.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Ron Keener <rkeener@realtime.net>; owner-qrp-1@Lehigh.EDU
>
> try your own pc - makes for original cards that are unique and can be
> updated at any time - get post card stock at any office supply store

A couple of notes.

With some printers, the typical card stock bleeds, or won't pass through the printer, so do some tests before you go spending a ton of money. I bought some card stock a while back to use with my HP500 - it was unuseable. Interestingly, it works great with my HP693 - basically the same printer, slightly different cartridge!

IMO, glossy paper makes the nicest cards, but in the typical office supply store, it is very expensive. If there are computer trade shows in your area you can sometimes get glossy stock for a tenth the price of the local Staples.

A while back, someone wrote me about the QSL program I used - now it so happens, that I use several programs to assemble my card, but the point is, any graphics program can do it - you don't need some special program, you just need to somehow draw what you want your card to look like. I'm quite pleased with my card, if you're interested, I hang around 14.060 and I try to QSL 100%, or, if you're less patient, you can see it on qrz.

72/73 de WB8RCR
didileydadidah

Date: Thu, 16 Jul 1998 19:52:00 -0400
From: Wayne Montague <montaw@tdbank.ca>
To: qrp-1@Lehigh.EDU
Subject: [15271] MRF477
Message-ID: <35AE9220.37DB@tdbank.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I heard recently that Motorola is discontinuing these transistors.

I do not want to start a rumor just by asking a question.

Can anyone confirm this?

Tx -

Wayne
VE3EFJ

Date: Thu, 16 Jul 1998 19:58:38 EDT
From: w2bj@juno.com
To: qrp-l@Lehigh.EDU
Subject: [15272] WANTED: SST20
Message-ID: <19980716.183800.11647.2.w2bj@juno.com>

I am interested in buying a built and working 20 meter SST for a reasonable price. If you have one that you are willing to sell, let me know.

72,
Barry Minsky, W2BJ

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 16 Jul 1998 20:23:16 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU
Subject: [15273] RE:qsl cards
Message-ID: <858639a5.35ae9975@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I was going to try to make my own cards but I saw The *WX9X* site and after I looked at the cards on the site,I decided to buy on line.
The best deal I ever got on a 1000 QSL cards and even had some of my own logo's put on.
Five colors on high gloss stock.
No connection with WX9X.

I go through 15-20 cards a day and when I need more,I'm going back to the same source.

Bob

WA2HOQ

Date: Thu, 16 Jul 1998 19:28:03 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@Lehigh.EDU
Subject: [15274] The boxes are out there! Aluminum extruded &c
Message-ID: <19980716.192812.6702.1.nilsbull@juno.com>

Gang,

While cruising around today I found this site: Extrusion Technology Inc.,
80 Trim Way, Randolph MA 02368 (781-963-7200) <http://www.extrutech.com>

They make extruded aluminum boxes. Like the kind of stuff that the ARK30 comes in. Or that my home brew antenna tuner, housed in a surplus A/B switch box, is in. And what surprised me was the cost. Some of these boxes -- unfinished (the price goes up for that powder coat stuff they use nowadays) -- are not very expensive . . . if \$35 is inexpensive for precision extruded & machined boxes.

And all of this 'cause I can't keep from thinking about a bullet-proof, nuclear-hardened, completely self-contained, all-in-one-box 40 meter CW transceiver (with battery & ATU inside) that will work on pizza knives, old fence wire, bed frames & hotel aluminum window trim.

Don'tcha just love frivolity?

I sure do.

73

Nils

P.S.: I really like having the speaker built into the top of the TAC1/40. Plenty cool, even if the stainless steel top wore out two fly cutter blades in the process. (And yes, I know I could have used a Greenlee punch! I didn't have one that size!)

Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 16 Jul 1998 20:35:17 -0400
From: Ed <edn4pk@voyageronline.net>
To: w5yr@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15275] Re: Using a Mechanical Bug (not just QRP)
Message-ID: <35AE9C44.3C164B19@voyageronline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

George, well put and I think quite to the point.....Enjoy
Ed W3NR...one of dem OF's

Date: Thu, 16 Jul 1998 19:30:49 -0700
From: Don Bowen <don.bowen@chrysalis.org>
To: qrp-l@Lehigh.EDU
Subject: [15276] Argonaut 509
Message-ID: <35AEB759.300E@chrysalis.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A friend who is not a ham has asked me to list this item for sale:

Argonaut 509 in good condition with manual, microphone, and
12-volt power supply (not a TenTech power supply).

Contact Larry Sloan, (972) 235-2053. Sorry, he does not have E-Mail
capability. US Postal Service address is

Larry Sloan
426 Fall Creek
Richardson, Texas 75080

Please contact him directly. He'll probably make a pretty good deal.

Thanks.

Don Bowen
K5LHO

Date: Thu, 16 Jul 1998 20:41:16 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: "George T. Baker" <w5yr@swbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15277] Re: TURN IT UPSIDED DOWN
Message-ID: <Pine.GS0.3.96.980716203157.9328C-1000000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Inverted verticals are more common than we think. Some slopers are actually vertical upside down. The object is to get the high current, low impedance point as high as possible--and to get whatever loading must be done to the high voltage low current end of the antenna.

It is possible to design shortened center fed vertical dipoles with end loading. The Force 12 ZR3 for 20-10 is one example designed for mounting about 5' off the ground. Such designs are adaptable to higher positions. Once you get the vertical feedpoint elevated with the tip pointed down, why use a ground plane when you can use the other half of the dipole--in whole or part--to radiate. The result is a collection of antennas like the GAPS and similar that are essentially modified 1/2 wl dipoles. If you do not wish to spend the big dollars on a commercially made antenna, you can design one to hang from a tree limb, sky hook, or other high device--or to sit atop a mast. Once off the ground, the 1/4 wl vertical with ground plane is just a 1/2 wl dipole with a flat bottom whose radiation cancels. Turn it upside down and it is a vertical dipole with a large capacity hat that uses up all of the upper side of the dipole. Extend the upper wire and shrink the hat for more radiation. Within the continuum of geometric possibilities is an antenna that might fit someone's special backyard conditions.

-73-

LB, W4RNL

Date: Fri, 17 Jul 1998 00:57:55 GMT
From: n3bj@hotmail.com
To: qrp-l@Lehigh.EDU
Subject: [15278] FS or Trade: Index Labs QRP++ QRP xcvr
Message-ID: <199807170057.TAA27182@x2.dejanews.com>

For Sale or Trade:

Index Labs QRP SSB/CW xcvr. Excellent condition, cosmetically and electrically, Serial Number 305, updated by factory to ++. Includes original, updated manual.

\$375 shipped or trade for other QRP xcvrs. Might be interested in a combination of some of the Wilderness QRP (40A, SST30, Sierra) rigs or what do you have ?

Alan, N3BJ
Bent Mountain, VA

Date: Thu, 16 Jul 1998 20:08:02 -0500
From: nilsbull@juno.com (Nils R Young)
To: QRP-L@Lehigh.EDU
Subject: [15279] Bugs, slugs, lugs, mugs & timing chains
Message-ID: <19980716.200809.6702.3.nilsbull@juno.com>

Gang,

When I started learning CW, I learned it from the Fleet Broadcast out of NAM, Norfolk. It was machine pretty. I liked it. I could read it. Even at whatever fleet speed was then. And I also listened to the press service from the Norwegian merchant marine radio station at Rogaland. Learned them crazy diacriticals from there. Them and the Cubans.

When I started learning to send CW, it took me some time to get the idea of timing down. Even with all my jazz and mariachi music experience I had a bit of trouble getting dashes (or "dahs" or "duhs" or whatever) to be three times the length of one dot (or "dit" or "dut" or "doot" or whatever). And I couldn't copy anyone who sent like me either.

Then I bought a keyer. The Ten Tec KR40. Got one right here in front of me. The day I got it, my receive speed went from fleet speed to really reasonable clip speed. After a couple hours here and there of practice. And soon enough I discovered that I could copy anyone who sent that kind of CW. The properly spaced & constructed stuff.

This was before computers and digital keyboards and on-line stuff.

Then I tried a bug. Man, I could send the corniest sounding, swingy, twangy, twerpy CW in the world. It was like having a decent tenor sax with a good mouthpiece and some reasonable reed stock. "It don't mean a thing if it ain't got that swing . . . "

Only problem was, no one could understand what I was saying. Play you inzamint, man!

Now I use a kick-butt straight key and a batch of different keyers using the NorCal paddles (ain't they sweet?). And I really refrain from answering CQs that sound like NNMA or KETK or from stations that have calls like NT..... T

I figure that about the time I get past "TNX FJL KULL MMT NAG SF TSEWI -- QT..... H5 DWTVM TK" it's time to get out the book on grammatical structures of Tocharian A and put some Thelonius Monk on the 5-disk player.

Embarassing as hell having to ask the guy to stop sending with his right trouser pocket key chain glued to his pierced earring. Five times.

73

Nils

. . . or was his name DU5?

Nils R. Bull Young

La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJD &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.geocities.com/Athens/Olympus/9172>

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Date: Thu, 16 Jul 1998 21:21:47 -0400
From: kt3a@juno.com (Cameron C.R. Bailey)
To: QRP-L@Lehigh.EDU
Cc: w3hms@aol.com, BobWicks@aol.com, wb3aal@talon.net
Subject: [15280] Results: TAContest
Message-ID: <19980716.212316.3334.14.kt3a@juno.com>

Here are the results of the first annual QRP TACTical Contest, sponsored by both the QRP Society of Central Pennsylvania and the EPA QRP Club. Thanks to all who slugged it out. The scores will be posted on the EPA Web page. Prizes will be announced soon. The Rainbow Tuner goes to N2CQ winner of the TACTical category. This was donated by the NJ QRP Club. There were some logs not sent in, so we had more participants than listed. Thanks to all!

Overall winners:

N4BP First Place

W3KC Second Place

N2CQ Third Place

QRPP Category

Call Name	Points	TAC	State
WB3AAL Ron Polityka	7300	610X	PA
KC1FB Jim Francoeur	4150	203	CT
N8CQA Buck Sweitzer	3650	810	MI
AF9J Eric Rugowski	2450		
N4UY Jake Carter	2225	703	VA

QRP Category

Call Name	Points	TAC	State
N4BP Bob Patton	24085	954	FL
W3KC Clark Kadesch	17875	301	MD
N2CQ Ken Newman	16110	610X	PA
N3RJ Ralph Juliano	14110	717X	PA
VE3JC John Cumming	9120	519	ONT
NA3V Jim Gooch	7880	814X	PA
N3DQU Jay Budzowski	6760	724X	PA
N3AO Carter Craigie	6255	610X	PA
WA1QVM Joel Malman	6160	978	MA
K7ZEN	6090	520	AZ
VE3ELA Ken LaRose	5890	705	ONT
W3MWY George Morgan	4970	410	MD
KC8JIE Ed Kwik	3850	248	MI
KI7UN Demetro Tukaruk	3840	541	OR
N4UY Jake Carter	3125	703	VA
K3AS Bill Marsh	2210	302	DE
W3HMS John Jaminet	2045	717X	PA
KT3A Cameron Bailey	2000	717X	PA
W3DP Dick Jaeger	1630	717X	PA
KB7MBI Alan Dujenski	1605	425	WA
AB0GO David Ek	1150	719	CO

K8CV Walt Amos 1145 248 MI
W3MGL Lawrence Boellhoff 1140 757 VA
N0QT Jan Medley 1045 303 CO

TACtical Category

Call Name	Points	TAC	State
N2CQ Ken Newman	16110	610X	PA
K7ZEN	6090 520	AZ	
VE3ELA Ken LaRose	5890 705	ONT	
W3MWY George Morgan	4970 410	MD	
KC1FB Jim Francoeur	4150 203	CT	
KI7UN Demetro Tukaruk	3840 541	OR	
N4UY Jake Carter	3125 703	VA	
N4UY Jake Carter	2225 703	VA	
W3HMS John Jaminet	2045 717X	PA	

Homebrew Category

Call Name	Points	TAC	State
N2CQ Ken Newman	16110	610X	PA
N3AO Carter Craigie	6255 610X	PA	
VE3ELA Ken LaRose	5890 705	ONT	
KI7UN Demetro Tukaruk	3840 541	OR	
N8CQA Buck Sweitzer	3650 810	MI	
N4UY Jake Carter	3125 703	VA	
N4UY Jake Carter	2225 703	VA	

Cameron C.R. Bailey
Mount Wolf, Pennsylvania
kt3a@juno.com

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Date: Thu, 16 Jul 1998 21:19:34 -0400
From: kt3a@juno.com (Cameron C.R. Bailey)
To: qrp-l@Lehigh.EDU
Cc: w3hms@aol.com, BobWicks@aol.com, wb3aal@talon.net
Subject: [15281] TAContest Soapbox Comments
Message-ID: <19980716.212316.3334.13.kt3a@juno.com>

(Ron, WB3AAL - Please post to EPA list.)

>From N4JS

Had a bunch of chores to do today, so just got on the TAC Contest for a little bit. Made 6 qso's in about 30 minutes. Signals on 40 are super. N4BP is pounding in on 20...and wonder of wonders, he heard me! Gave my little OHR400 and Vertical a 599, even! This contest is a "keeper." Next time, will allot more time. Worked Ron, WB3AAL, anyway.

Maybe time for a couple more QSOs before XYL gets home....

>From K7ZEN (this was a relay team, though still single op at a time.)
Scott, K7ZEN, and I will be operating TAC from Saddle Mtn, 8,880 ft, about 20 miles NW of Flagstaff, AZ, using his call, K7ZEN, and running 1 watt. A fun contest and a great way to check out our Field Day site ahead of time. Thanks to the organizers for all their work!

>From AL7FS
Only one station on 20 meters. KB7MBI. So I am IN THE CONTEST!!! I worked him just fine.

N4BP is there at 119 RST. No other stations are being heard at this time with the beam at 40 feet. I can't hear any beacons on 14.100.

Heading for the QCWA picnic now so will probably miss the rest of the action....

73, Jim, AL7FS

>From WA1QVM
It was actually a pretty neat contest. The exchange was easy, but you had to copy the TAC ... Got your 717X on 40 meters, but by 2250z I had worked most everybody playing the contest. Guess we need more players!

cheers and see you in next years TAC, 72

/joel wa1qvm (Concord, Mass)

>From N0QT
Hope the conditions were better for you guys than they were here. Tried all bands and heard nothing. It was fun anyway.

>From WB3AAL
Well I had a ball with the TAC Contest. Great idea Cameron! I was not sure if I should run QRPP, 900 mW., but I did anyway. 20 & 15 were not in good shape!

40 Meters was my bread & butter band. I had a small problem with the logging program, but seemed to work ok.

Next time I will be out in the field with home brews!

>From WB5QYT

Sure enjoyed the TAC Contest, at least for the short time I was able to work it. Worked as few familiar calls. KD6VIO, AB7TK, KI7Y, and KB7MBI and a few others. At 2130 my time I worked KB7MBI a second time. Neat thing about this qso was we kept on reducing our power. He got down to 500 mw, and I got down as low as about 50 mw....This is sure fun!!! Got to figure out the miles per watt on that one....NM to WA. I could not believe it!! This is late at night for 20 meters too!! Goes to show you that the higher bands are lookin good!!

Used my Emtech NW20, and my new J-pole inverted vee that I just built today. This one is a keeper, in that it works well as an inverted vee, dipole or a vertical. Scaled it down from my 30 m J-pole.

This antenna is very portable, as you can roll it up into a ball till you want to use it, and then just sling it out like a softball into a tree....well almost!! Short feedline, lightweight, just right for field day or backpacking.....Now, off to load up the spud gun, YA!!!

>From K8CV

INTERESTING CONTEST

>From K0EVZ

Well it was great for me....even though I could only be on 45 minutes (hospital called me in. Nuts). It is a keeper, this contest. You have made a signal (sorry!) contribution to QRPland, guy.

>From N3A0

I could play only for 3 hours and 25 minutes, but had a ball on 40 meters only with my TAC-1, THE appropriate rig for a TAC 1st Contest!

I had 29 QSO's, 8 "X" stations, 23 different out-of-PA TAC's, the QRP and Homebrew categories, for a point total of 6,255.

I really had a good time and I sure hope you do this one again and again!

>From K3AS

Great contest! Thanks for sponsoring it, and I hope you do it again.
72...Bill

>From N8CQA

Had a good time in so-so conditions on this end. Thanks.

>From AB0GO

Thanks for a neat little contest.

>From N3DQU

Cam - Just wanted to let u know I had a blast wrking the TAC contest...Really surprised at the turn-out!...Logs r in the mail...Looking forward to next year. 73, Jay N3DQU.

>From N4UY

This was a fun contest -- got a 1000 mile per watt QSO both on QRP and on QRPP -- even with a QRP temporary antenna that was barely off the ground.

>From VE3JC

Really liked the TAC contest, and think its a great idea. I was only able to get on for part of the 'test.

>From VE3ELA

Soapbox: Had a terrific day out in the field (weather here was sunny & warm). Took a few slingshots to get the wire supported where I wanted it. Then the flimsey nylon cord I was using kept hanging up on everything it touched! Finally (a bit late), I got the antenna erected & working. Most contest activity seemed to be on 40m, so spent most of my time there, occasionally checking 20m. Neat idea to include area code in exchange!

Hope you'll run the contest annually, it was fun & challenging.

>From W3DP

Look forward to another contest. Conditions were excellent for the short period I was on. I am always interested in what the other guy is using. Maybe in the next contest you could add rig, power and antenna to the exchange. This would add more interest to the overall contest, or maybe better called a QRP QSO Party?

>From W3KC

Thanks for starting this contest - it was fun.

>From AF9J

Wanted to operate outside, but due to work commitments, didn't have time to go camping or on a trip. So.... I set up in the backyard, using a camping table to operate from and a sealed acid battery for power. The top of the antenna was guyed to the TV tower. It rained and I had to drag everything into the garage. I had fun.

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Date: Thu, 16 Jul 1998 21:41:06 -0400
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: RangerSF5@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [15282] Re: MFJ 9020 xcvr
Message-ID: <35AEABB1.8706CFC2@quartz.gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

RangerSF5@aol.com wrote:

> In a message dated 98-07-15 21:51:41 EDT, you write:
>
> If your rig has a detent in the RIT control, it is one of the newer
> models. If there is no detent, it is an older version.
>
> Henry,
> This is not true!
> I have installed the this type of *RIT* in all my MFJ rigs and all of them are
> the older version,except for the 30 CW and 20 SSB.

Wait a minute Bob...we're talking factory installs...not after market mods.

> Also for some reason,maybe to make the rig look more impressive,MFJ was
> installing the detent *RIT* in the 40 meter rigs appx. 5 years ago.
>

My info comes directly from MFJ. Before I purchased my unit (from Rich Mulvey), I called up MFJ and spoke with the engineer handling the 90xx series rigs. I don't believe that it was Littlefield. The engineer told me that if the rig has a detent RIT it is a newer version. I would be surprised if MFJ was shipping rigs with detent RIT controls 5 yrs ago. It might be worthwhile for you to call MFJ directly on their 800 number and let the list know what you find out. I have always gotten good info from their engineering people.

Henry

Date: Thu, 16 Jul 1998 21:40:10 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Cc: 35AE996A.6CFC@earthlink.net
Subject: [15283] Key page
Message-ID: <35AEAB7A.CCF1CEB2@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for pointing out the web site. I enjoyed over an hour reading some of the neat stuff found by way of the front page.

To: QRP-L@Lehigh.EDU
Subject: [15240] Re: Using a Mechanical Bug (not just QRP)
Message-ID: <35AE996A.6CFC@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The "proper name" for the "bug" is a semiautomatic key. You will find a reprint from a U.S. Army manual on the subject of adjusting a semiautomatic key at the following URL which has been noted on the QRP-L in the dim, distant past.

` http://fohnix.metronet.com/~nmcewen/bug_adjust.html

I for one will be pleased to QSO with you bug to bug when you feel ready to get on the air with one. Good luck.

73, Harvey, N6MM.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

QRP-L #1618 QRPARCI #8634 ARRL Life Member

Author of: RADIO MONITORING The How-To Guide

ISBN 1-56866-101-0

Index Publishing Group, San Diego, CA

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Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Thu, 16 Jul 1998 22:10:44 -0400 (EDT)
From: Mike Duke <K5xu@cris.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15284] IS ANYONE USING THE FREQ MITE WITH OHR-100?
Message-ID: <Pine.SUN.3.96.980716220909.23863B-1000000@viking.cris.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If so, please tell me anything that you wish someone had told you before you began assembly and connection.

My OHR-100 is for 30 meters.

Mike Duke, K5XU,
President,
Mississippi Council of the Blind
<http://www.prestridge.com/mcb/>

Date: Thu, 16 Jul 1998 19:06:45 -0700
From: dave_epps@juno.com
To: qrp-1@Lehigh.EDU
Subject: [15285] Morse Kybd
Message-ID: <19980716.191646.8902.4.dave_epps@juno.com>

If you are having problems finding the 24 pin socket.
I gave up and used 3 8 pin sockets together and it worked fine.
It makes a good portable keyboard as it will run off a little 9 volt battery.

de dave ab5pc fresno, ca.

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Date: Thu, 16 Jul 1998 19:22:49 -0800
From: Ward Hill <w_hill@ns.net>
To: qrp-l@Lehigh.EDU
Subject: [15286] High Speed CW. . .HELP!!!
Message-ID: <103130300b1d4722d4189@[207.159.15.85]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am trying to get to a new level in my ability to copy CW. Currently I can copy in the 22 to 25 WPM area. However, most of the contests and such have Ops sending significantly faster. During Field Day I had to listen to a station sending their call several times to get the call correct, that really slows down the number of stations I work. I still need to write down on paper the message. I am getting to the point that I can't write that fast.

So, how does one get to copy CW in their head? Beyond that, how does one learn to copy CW in the 35 to 40 WPM area?

Thanks in advance,

72,

Ward

Ward Hill, WA6FUH
Engineer at KQVR, Channel 13 (CBS), Sacramento, CA
<http://www.kovr13.com>
"Eagles may soar, but weasels aren't sucked into jet engines"
Life Member ARRL NorCal Zombie #2660 10-10 #27139
QRP-L #1117 AK/QRP #249 QRP ARCI # 9686
w_hill@ns.net
WA6FUH@KM6PX.#NCA.CA.USA.NOAM

Date: Thu, 16 Jul 1998 22:21:57 -0400
From: "Heron, George" <G.Heron@dialogic.com>

To: qrp-1@Lehigh.EDU
Cc: "Heron, George" <G.Heron@dialogic.com>
Subject: [15287] Giving QRP Talk
Message-ID: <DC98876F9BBBD111A5F900A02461FF13EC880A@webmail1.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain

Hi gang -

I'll be giving a "QRP overview talk" next week at a local ham radio club here in northern New Jersey and wonder if anyone has any favorite/useful approaches to the subject.

What I *am* doing within the 30 minute window given me, is:

- 1) showing/demo'ing the usual bunch of gear (Pixie, Sierra, Rainbow Tuner a la Altoids, NC Paddle, etc);
- 2) talking about QRP = operating fun + challenge + field events + skill builder + homebrewing;
- 3) handing out a reprint of a selected article (G3RJV Six-Pack);
- 4) handing out copies of various slides I'll be showing (gear, field events, antennas, kits, ...)
- 5) handing out something I whipped up called the "QRP Resource Disk" ... set of html files (i.e., website-on-a-disk) containing a large collection of great URLs for clubs, vendors, suppliers, projects, backgrounders, listserver signup info, etc.
- 6) raffling off a Rainbow Tuner Kit (contributed by the NJ-QRP Club).

I know it's only 30 minutes, but some of these things I mentioned go fast. (And there's always the "after meeting" ;-)
Any other good approaches or decent "intro to QRP" articles around someplace for the borrowing?

TIA & 72,
--George Heron, N2APB
n2apb@amsat.org

Date: Thu, 16 Jul 1998 22:30:35 EDT
From: JkHampton@aol.com
To: qrp-1@Lehigh.EDU
Subject: [15288] Bug Practice / Operation
Message-ID: <8b84df4f.35aeb74c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Hi All,

About 6 months ago, I finally got a bug. I have been operating for a little over two years now. CW only. That SSB is so hard to understand :)..

Anyway, I bought a new Vibroplex Original. Along with it, I bought the new "Big Heavy Weight". It slows it down to around 25 wpm or less character speed on the dits. I practiced with it for a while and put it on the air. I believe that you should develop some kind of reasonable fist before getting on the air. I also believe that 'on the air' practice is the best way to get proficient at using any kind of sending instrument. For newer operators, there is a certain amount of tension associated with getting on the air with a new piece of equipment. That is one of the things that makes this stuff fun. However, it is also the thing that will cause you problems with your first bug QSO. Practicing where no one can hear you is one thing, sending on the air is another. The most important thing about the first QSO is getting through it as gracefully as possible. If you concentrate on it and pay close attention to what you are sending, it won't be long before you will know if you are using a bug or keyer. If the bug is not a complete "run away train" on the dit side, you should be able to learn to handle it in short order, with the right practice.

The object that should be at the forefront of our minds when sending is to be as copyable as possible. In the old days of telegraphy, mistakes in copy were credited to the SENDER rather than the person doing the copying. I read that in "Morse Magnificat".

Now to the point. Here are two things that I learned about bug operation. Both were in the instructions that came with my new, "Original".

Adjustment is critical to operation. Everything has to be adjusted so that the dits make good contact for the proper duration of time and the throw is sufficient to create the proper spacing between dits. It took longer to adjust the key than it did to learn to send good code with it, believe it or not. This point cannot be stressed enough.

The other thing is the method of practicing that Vibroplex suggested in the write up. Use the phone book for practice. Open it anywhere and start sending. The names, addresses and numbers are perfect bug practice. They say to go as fast as you can for a minute and then try to send real slow for a minute or so. Sending slow forces you to concentrate on the characters. Sending faster helps you develop a good rhythm. A few hours of that kind of practice and you should feel OK about trying an "on the air" QSO. Try it, no matter what kind of key you are using, I really is great practice.

OK, I guess that should be enough for now. These two tips are drawn from the

Vibroplex literature and are not original to me. I did try them and I believe strongly in both. Proper adjustment and proper practice methods. Both are equally critical to success with a bug. At least they are for us newbies anyway. By the way, I take no offence at that term, I am a newbie. I am still working on my first thousand QSO's. I'm getting there but I ain't there yet. Some day soon:)

72 es GUD CW to u all
Tom AC5JH

Date: Thu, 16 Jul 1998 22:36:30 EDT
From: RangerSF5@aol.com
To: henryf@quartz.gly.fsu.edu, qrp-1@Lehigh.EDU
Subject: [15289] Re: MFJ 9020 xcvr/Detent RIT Does not mean it's a later/newer rig
Message-ID: <3e8b390e.35aeb8b0@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-07-16 21:44:26 EDT, you write:

<<

My info comes directly from MFJ. Before I purchased my unit (from Rich Mulvey), I called up MFJ and spoke with the engineer handling the 90xx series rigs. I don't believe that it was Littlefield. The engineer told me that if the rig has a detent RIT it is a newer version. I would be surprised if MFJ was shipping rigs

with detent RIT controls 5 yrs ago. It might be worthwhile for you to call MFJ

directly on their 800 number and let the list know what you find out. I have always gotten good info from their engineering people.

>>

Henry,

I got the rig NEW from HRO 5 years ago with the detent *RIT*.

About 1-2 years later, MFJ started installing them into the 30 meter rig but not all of them.

I spoke with Tom at MFJ and if you see an early version 20 Meter rig with a ground between the Xtal and the can, (looking down on top, left side near the front, was my very first mod on the early 20 meter rig.

That took care of the sussed tone on Xmit.

I posted your letter because you made it sound like all anyone had to do was see if the rig had detent *RIT* installed.

If so, then they would assume it was a later rig.

Not so.

Anyone can buy

that rit and install it inside of the rig but it's still the older version.

Would you buy my 40 Meter rig because it has a detent *RIT*?

If you still want to talk about this topic, please *E* mail direct.

Bob

WA2HOQ

OLD MFJ RIGS WITH DETENT *RIT's* INSTALLED

PS:

I spoke many times with Gary Breed and he has helped me when MFJ failed to respond to my request.

Date: Thu, 16 Jul 1998 22:38:31 EDT

From: Ab7wy@aol.com

To: qrp-1@Lehigh.EDU

Subject: [15290] very happy bug user

Message-ID: <5c31eb13.35aeb929@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

ive been reading this thread and ive come to the conclusion that somewhere, somehow were forgetting how to have fun in the spirit of ham radio. im a 32 year (young) ham of 15 years, i have 2 hand pumps and a late 20's speed-x bug. im having less-than-perfect great fun with it! ok, sometimes my H's come out 5's, and my O's are not in perfect rhythm...but i still get qsl's with all the correct info on them.

lets break this down....we all were brand, spanking new hams at one time, i ask you, how many of you were A5 dxpedition material? i sure wasnt, and when my first dx station answered me...my sending got much worse. it wasnt the code copy he was concerned with, it was making contact with a fellow ham in a distant place that drove him to answer my lonely CQ. when i get a new ham in a qso, the code im hearing coming back is usually quite sloppy...but i dont even care, its making me very happy to give this thrill to a newcomer. i love cw, and i love my bug!

ive been watching the dx reflector and they are in a state of disarray due to the whining, complaining and just plain unhappy few who have forgotten that this is our hobby....its not like were trying to come up with a formula to save the earth. ham radio is fun, and i agree totally with the ham who wrote "if everything were perfect, it wouldnt be any fun". so, i ask you to ask yourselves...are you having fun? do you still get a thrill when you turn your rig on? and are you a happy, tolerant person? i can safely answer yes to all of the above. and when i tell someone about ham radio (ive elmered a few

hams, and preach it to many), i leave my opinions out of it and stick with the selling point of the hobby....that its FUN!

please, lets all try to understand and tolerate eachother. were all very different in the way we enjoy our hobby. another ham wrote about never really knowing why the other end is sending sloppy code, there are people with serious disabilities...theres even a ham that has no arms and sends with his foot!! so, i urge you all to try to enjoy the hobby a little more, not take it too seriously. (at least not in a negative way :-)).

remember, we can lose more bands and privileges at any time...the only thing that will ensure our strength is unity. so lets enjoy what we have left.....my old bug and i will be looking for you on the air.

73, Adam

Taylor, AB7WY

" Bug

out"

Date: Thu, 16 Jul 1998 22:49:14 -0700
From: astone@erols.com
To: qrp-1@Lehigh.EDU
Subject: [15291] 38S Aduio Mute Switch - J309 ok?
Message-ID: <35AEE5DA.5A64@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi -- Please advise -- is a J309 suitable here? I believe it's fairly similar to a MPF102. How about a 2N7000 which I also happen to have laying around? Thanks for your help.

72,

Ron (KA3J)

Date: Thu, 16 Jul 1998 23:04:31 EDT
From: RangerSF5@aol.com
To: henryf@quartz.gly.fsu.edu, qrp-1@Lehigh.EDU
Subject: [15292] Re: MFJ 9020 xcvr
Message-ID: <aa4989d.35aebf41@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

In a message dated 98-07-16 21:42:33 EDT, you write:

<<

RangerSF5@aol.com wrote:

> In a message dated 98-07-15 21:51:41 EDT, you write:

>

> If your rig has a detent in the RIT control, it is one of the newer

> models. If there is no detent, it is an older version.

> >>

Lets clear something up here right now.

The words you see above were written by <Henryf@quartz.gly.fsu.edu>

If your going to make statements Henry,

Don't repost and make it look like I did it.PLEASE!!!

Now for all the MFJ owners out there,

Please be aware that many older MFJ rigs have the detent *RIT*

Now for all the MFJ owners that want full qsk,I think,(Maybe) I found the mod.

The rx is muted on Xmit.

You need a small push button on the upper right to hold the relay.

I'll keep all of you posted and I hope to have it working after the weekend.

So far,

I only did this mod on my 40 meer MFJ rig.

Henry,

No flames.

Were all here to share info on various rigs and mods and have fun working CW

QRP,

But reposting your statement to make it look like it came from me is wrong.

This my reason to ask everyone to *E* mail direct and keep the (I said this and you said that) off the reflector.

Thank You

Bob

WA2HOQ

Date: Thu, 16 Jul 1998 22:14:40 -0500

From: "Robert J. Gobrick" <rgobrick@worldnet.att.net>

To: qrp-l@Lehigh.EDU

Subject: [15293] QST Coverage of QRP Dayton Activities

Message-ID: <3.0.32.19980716221314.00c8438c@postoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

QRP-L Gang,

Just a note to check out the latest August issue of QST page 34. Rick Linquist N1RL, of the ARRL Staff has a nice sidebar coverage of the QRP ARCI "Four Days in May" QRP activities at Dayton this year. Super coverage and a nice big smile from John Pituch W2MBY and his newly won Emtech QRP transciever. By the way John's dad, Steve Pituch W2MY makes those beautiful QRP ARCI Contest awards certificates that many of you may have been lucky enough to have won.

Thanks to Rick and the ARRL for the recognition of our QRP ranks.

Bob Gobrick - Stillwater, MN
Internet: rgobrick@att.net

Date: Thu, 16 Jul 1998 20:11:58 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15294] Re: very happy bug user
Message-ID: <Pine.SOL.3.96.980716200906.29837A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Fun is the key word!

Like they say in AZ, if it ain't fun, you ain't doing it right!

And don't forget that there are two skills involved in CW. One is sending it and the other is copying it!

I have said it before and I'll say it again..... if you hear someone sending so "bad" that you can't copy, listen to the QSO for a bit.

Chances are that the station on the other end is copying just fine!

Doesn't that tell you something? :-)

OK, back into my hole....

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 16 Jul 1998 22:11:11 -0500
From: applitech@mcg.net (Claton Cadmus)
To: <whowell@hq.nasa.gov>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [15295] Re: looking for info on
Message-ID: <01ed01bdb130\$9a512e40\$a10a5e2c@groucho>

I believe you are looking for the Kitano Key Company. They make paddles that look like dual side by side hand key. They operate similar to the "mouse key" i.e. making an iambic paddle from a computer mouse. I don't think there is a web page. I met the owner and inventor in the flea market at Dayton. The keys are interesting.

Kitano Key Company
Kit Raymond N2LMC
619 Cherry Valley Rd.
Princeton, NJ 08540

Scott Howell <whowell@hq.nasa.gov> wrote:

>I was having a conversation with a non-Ham person about Morse Code and the
>devices used to send it. I was trying to explain about the (please excuse
>spelling cause I don't know) Katona paddles. They were intrested in what
>they looked like so is anyone aware of a web site that might contain info
>or how one could get hold of the gent that makes them? Maybe he's got a
>picture or something I could show them.

Hope this Helps.

73 de KA0GKC Claton Cadmus
cla@mcg.net
MNQRP #1
Minnesota QRP'ers we're looking for you!
Email me or visit this page <http://www.qsl.net/mnqrp>

Date: Thu, 16 Jul 1998 20:27:28 -0700
From: "Keith W. Martin" <martins@ccosmo.net>
To: qrp-l@Lehigh.EDU
Message-ID: <199807162027280660.0140F8DD@ccosmo.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"
Content-Transfer-Encoding: quoted-printable

Group:

Thanks for all the feedback. The NC40A seems to be a great rig. But I have= elected to buy the OHR Explorer II. Now I have one more question. What= type of ant. is best for use while backpacking? Just a regular dipole?,= long wire?, inverted V, or ???

Thanks in advance for the info!

Keith
KA6ASJ

Date: Thu, 16 Jul 1998 23:50:27 EDT
From: N9DD@aol.com
To: QRP-L@Lehigh.EDU
Subject: [15297] Bugs and the consequences
Message-ID: <faaa0e81.35aeca04@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang

I make a determined effort to stay out of debates and rarely throw my two cents in to continuing threads on the list, but I can't resist when it comes to this bug debate...

If you choose to go on the air with a bug with minimal practice, you need to realize that:

1. You will get fewer answers to your CQs
2. The QSOs you do get into will more often be cut short by the other

operator.

3. If you answer someone's CQ and another station sending better CW also answers, the CQer will be more likely to answer the other guy.

4. In a DX pileup, you will lose out more often.

These are the facts. Many operators pride themselves for being able to copy less than perfect code. That is an ability we all should shoot for. Given the choice though, most operators prefer to listen to well-sent code. If your bug sending is so good that you often surprise the other guy when you tell him that is what you are using, then you are doing fine. Go for it. Otherwise, be willing to accept the consequences.

As for bugs giving you a distinctive "style" - I've found that most bug sending sounds the same. A "Q" always comes out "dah daaaaaah di dah". The dits are always too short for the length of the dahs. It kind of reminds me of the typical thing that happens with teenagers. In an effort to be "different" and have their own personality, they often end up looking and acting like 90% of others their age.

Gee, I'm sounding grouchy in my old age. See you all on the bands. I'll do my best to copy - no matter how you send. My sending is not perfect by any means and I make more than my share of mistakes, but I'm still trying to improve. Let's all try to do the same.

73,

Tom N9DD
South Bend, IN
<http://members.aol.com/n9dd>

Date: Fri, 17 Jul 1998 00:09:20 -0400
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>
To: "INTERNET:w_hill@ns.net" <w_hill@ns.net>, //QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "+Doc W.D. Lindsey/K0EVZ" <70511.3041@CompuServe.COM>
Subject: [15298] High Speed CW. . .HELP!!!
Message-ID: <199807170011_MC2-5363-25AD@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Ward:

I share your concern, having finally made it through the very barrier you describe :-). Here's what did it for me:

1. I bought the cassette tape set from Alternative Arts. He has at least two different ones, One is aimed at "high speed contesting". See the small display ads in such journals as QST and probably CQ. (I am on vacation and do not direct access to them.)
2. I also bought a set of the old The Radio School cassette tapes. Between the two, my speed went from 25 or so to nearly 60 during contests (only!--where there is repeated info). Can now easily ragchew at 35 and even 38-40 though it is a real challenge at the higher level. Don't know where these might be available. But what helped me most was their causing you to relax and let the code sort of seep into your consciousness. Don't know the scientific basis, but I can tell it worked for me.
3. The third thing you already know. Copy cw such as from W1AW starting at their highest speed. Try to pick out what you can--a word, phrase, punctuation sign, what have you--and let the rest go. If you stay at it, you will be surprised how quickly you can copy more and more.
4. The fourth thing is to answer CQ's at speeds higher than you are comfortable at. Even though you will make mistakes at first, in time you will become more comfortable.
5. The fifth thing is to practice *sending* text to yourself, listening as you send with your bug or keyer. This *WORKS* well.
6. Contact the FISTS organisation. They (we) have a "code buddy" program where you can find someone who will challenge you to move up, maybe through regular on the air chats, etc.

Good luck to you. And if you hear *me* please call at whatever speed you are comfortable, and we'll just chat :-).

72/73,

--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Fri, 17 Jul 1998 00:41:46 -0400
From: Jim Stafford W4QO <w4qo@america.net>
To: qrp-l@Lehigh.EDU
Cc: steve.hudson@cmdg.com
Subject: [15299] Howe Schematic needed
Message-ID: <35AED60A.3F51@america.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey gang,

My friend Steve AA4BW is not a list member, but needs help. He asked me to post this:

Need a schematic and/or documentation for a Howe transceiver, 80 mtr version. Can anyone help? Thanks! Steve
AA4BW (steve.hudson@cmdg.com)

PLEASE DON'T RESPOND TO ME, but rather to Steve directly if you would.

Thanks.

--

Jim Stafford, W4QO	->VP - QRPARCI<-	RadioActive Schools(sm)
11395 West Road	-> http://www.qrparci.org <-	NoGaQRP group
Roswell, GA 30075	http://www.america.net/~w4qo	
770-993-9500	Fax:770-993-8932	Internet: w4qo@amsat.org
QRP-L#267	QRP-ARCI#6515	G-QRP#5588
		MiQRP#897
		NorCal#1092
		CQC#307

Date: Fri, 17 Jul 1998 00:59:14 EDT
From: RangerSF5@aol.com
To: qrp-l@Lehigh.EDU
Subject: [15300] WHY TAPES???
Message-ID: <1718ef2f.35aeda23@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Just my 2 cents here and no flames please?

I so often ask myself why hams buy CW tapes when the best piece of gear is your RX.

I never spent a penny on a tape and the Drake 2-B gave me all the code practice in the world.

Keyers,bugs,keyboards,hand keys and under all kinds of band conditions,QRN,QSB,QRM and W1AW also had and still has code practice up to 35 wpm./

I used my qrp rigs and listen for the high speed op's.

Two months ago,I passed 40 WPM.

The bad part is trying to stay there as most hams don't send or copy that fast.

Like I said above,

Just my 2 cents on the topic and I never had or used CW tapes

Bob

WA2HOQ

Date: Fri, 17 Jul 1998 01:26:18 -0400
From: "GREGORY HEATH" <KB2QQM@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@Lehigh.EDU>
Subject: [15301] RE: Unisolar Solar Panel Sold
Message-ID: <0c8b75230051178UPIMSSMTPUSR06@email.msn.com>

Thank you to all who sent me email concerning the solar panel. It is now sold. I can finally almost see that there really is carpeting on the floor. Almost enuff room to stretch out.....hihi... :-) Greg.

Date: Thu, 16 Jul 1998 22:55:43 -0700
From: Jerry Parker <jparker@fix.net>
To: w_hill@ns.net
Cc: qrp-l@Lehigh.EDU
Subject: [15302] Re: High Speed CW. . .HELP!!!
Message-ID: <2.2.32.19980717055543.00c6acd8@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ward,

you have reached the word phase.

I found myself at that stage at one time and floundered for some time.

I stumbled across KB6MT Jerry Ziliac's hi speed code course which emphasises copying whole words. Sure enough I found that each word

had a distinct sound and after listening to his practice tape for some time I found my speed going up for the understood words left time to copy the ones by letter which were fast. I have also found that some words can be ignored and the conversation still understood when pushing the limit.

On Field Day I can really cook for I am looking for certain information and the rest is not relevant. Let me make a contact with someone who recognizes me and sends a sentence at Field Day speed and I bomb! You get the picture.

No I do not write words down anymore unless they are important ones such as name, call, QTH etc.

Now I find I can work CW mobile without writing things down even though at slower speeds than when I am at rest.

How about the list, whats your secret/technic for copying faster than you can write?

Enjoy,,,72,,,Jerry...WA6OWR...K

The NorCal Page: <http://www.fix.net/norcal.html>

words

At 07:22 PM 7/16/98 -0800, you wrote:

>I am trying to get to a new level in my ability to copy CW. Currently I
>can copy in the 22 to 25 WPM area. However, most of the contests and such
>have Ops sending significantly faster. During Field Day I had to listen to
>a station sending their call several times to get the call correct, that
>really slows down the number of stations I work. I still need to write
>down on paper the message. I am getting to the point that I can't write
>that fast.

>

>So, how does one get to copy CW in their head? Beyond that, how does one
>learn to copy CW in the 35 to 40 WPM area?

>

>Thanks in advance,

>

>72,

>

>Ward

>

>Ward Hill, WA6FUH

>Engineer at KQVR, Channel 13 (CBS), Sacramento, CA

><http://www.kovr13.com>

>"Eagles may soar, but weasels aren't sucked into jet engines"

>Life Member ARRL NorCal Zombie #2660 10-10 #27139
>QRP-L #1117 AK/QRP #249 QRP ARCI # 9686
>w_hill@ns.net
>WA6FUH@KM6PX.#NCA.CA.USA.NOAM
>
>
>
>
>
>

Date: Fri, 17 Jul 1998 02:01:00 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L" <qrp-l@Lehigh.EDU>, <turner@safety.ics.uci.edu>
Subject: [15303] RE: possible INRAD 9 MHz filters for Ten Tec rigs
Message-ID: <000201bdb148\$460164a0\$a5241ad1@titan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Some years back I purchased a few 9 MHz filters from KVG in Germany. They perform excellently, and have similar features to what you mention of the INRAD filters. The KVG filters were in the order of \$125 each over ten years ago, much more after shipping from Germany ...

Ask your man George how he thinks his filters will stack up against the KVG XF9A, XF9B, and XF9M filters. The price is excellent if the filters perform to par with these.

I LOVE my KVG filters -- they're built in a solid, sealed container that could probably take a year's soaking in salt water. To look at their shape on one of those fancy 'scopes is a marvel -- the skirts go almost straight down, and there's no noticeable distortion. If they are properly terminated and matched, the loss is negligible. These things make ALL the difference in quality for a home made receiver. In fact, the receivers I've built around them usually rival the performance of my commercial gear.

If an American product can perform like these, I'd certainly jump on one. I would always rather buy American when possible.

For those of you who think this price may be high, forget it. I've tried my

hand at matching crystals for filters, and it is no easy job, even when you have all the fancy equipment. If they perform, they are worth every penny.

Q's --

What is the input and output impedance planned for the filters? (I'm not familiar with the TT specs)

Does he have / will they make anything wider than 400 hz? (Some of us SSB ...)

This is very interesting.

Tracy, N4LGH

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Clark Savage Turner WA3JPG

Sent: Thursday, July 16, 1998 2:02 PM

To: Low Power Amateur Radio Discussion

Subject: possible INRAD 9 MHz filters for Ten Tec rigs

Howdy -

I am gathering names of folks interested in INRAD designing and building some (9 MHz IF) 400 Hz CW filters for the Ten Tec rigs. As I explained before, the 6.3 MHz filters INRAD introduced are quite good, and have better shape factors and lower loss. I am anxious to get a "matched pair" of 400 Hz filters for my OMNI VI, one in the 9 MHz position, one in the 6.3 MHz position where the better shape factors and lower loss will be magnified under rough conditions.

Also, those of you with OMNI-A or D (any series) or the Argosy can use these 9 MHz CW filters in your rigs for better performance.

I need a certain number of orders before George at INRAD can design and have these filters built. I have a couple guys interested, need a few more.

If you are interested in one of these, they will cost \$110, (\$20 more than the Ten Tec filters, plug in replacements). Please get in touch with me at the above email address. If you are in town (Irvine, Southern California) stop in for a demo of these fine filters. (I don't work for them, make no money from this deal, I just love fine line CW selectivity and better sensitivity from lower loss!)

Clark
WA3JPG

Date: Thu, 16 Jul 1998 22:50:10 -0700
From: W7LS <w7ls@blarg.net>
To: qrp-l@Lehigh.EDU
Subject: [15304] 10.7 MHz filters FS
Message-ID: <35AEE612.76D1@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. A friend of mine has a bunch of 10.7 MHz crystal filters. They are
labeled 10.7-2.4-8 LSB. Made by Crystal Devices, Inc. Unknown impedance
or shape factors. That's all I know.

If I see some interest, I'll dig up his e-mail address. I think I
remember he was selling them for ten bucks or so at a local fleamarket.

73 de Jim, W7LS

Date: Thu, 16 Jul 1998 23:28:51 -0700
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [15305] CB TO 10
Message-ID: <2.2.32.19980717062851.00c597ac@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just wondered if you have considered replacing the 10.? Mhz crystals
in the receive and transmit chain and retune. No fussing with the
rest of the rig....????

72,,,Jerry...WA6OWR...K

Date: Fri, 17 Jul 1998 02:25:56 -0400
From: "GREGORY HEATH" <KB2QQM@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@Lehigh.EDU>
Subject: [15306] Re: Magnetic Loops and Qrp
Message-ID: <0b9c63230061178UPIMSSMTPUSR03@email.msn.com>

try this website.. neat..
<http://ourworld.compuserve.com/homepages/csl/magloop.htm>
Greg.

Date: Thu, 16 Jul 1998 23:25:15 -0700
From: Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>
To: tracy@bytemark.com
Cc: QRP-L <qrp-l@Lehigh.EDU>, turner@safety.ics.uci.edu
Subject: [15307] Re: possible INRAD 9 MHz filters for Ten Tec rigs
Message-ID: <9807162325.aa29291@paris.ics.uci.edu>

Thanks for the note, Tracy. I am not familiar with the filters you mention. I can give you the specs of the Ten Tec and INRAD filters here. INRAD's replacement for the Ten Tec (Network Sciences) 285 filter has specs:

	Specified		Typical measured parameters	
P/N	Center Freq	-6dB width	Loss	-60/-6 shape factor
750	6299.25 kHz	400 Hz	4.7 dB	1.89

Now, Ten Tec specifies the model 285 filter at:

285	6299.25 kHz	500 Hz	5.5 dB	2.9:1
-----	-------------	--------	--------	-------

* Both filters have Zin/out of 200 ohms.

INRAD uses an 8 pole design, while the Ten Tec filter uses a 6 pole design. Notice the difference in loss and shape factors. The 250 Hz offering from INRAD has similarly better specs.

However, note that INRAD filters are produced in Japan. I am a fan of American made products, especially when they outperform any

Japanese product (this is why I love the OMNI VI, for my money and my specifications, this radio equals or beats the FT 1000 et.al). BUT, when the Japanese produce a product that exceeds the available American product by some measure and is reasonably priced, I will purchase it. I honestly appreciate these INRAD filters. They are well shielded, tight metal enclosures fitted to boards with pins that fit directly into the Ten Tec filter slots. Ten Tec, to its credit, helped with giving the specs to INRAD and then with testing of the final product. Ten Tec is my company :-)
I like those guys.

Clark
WA3JPG

Date: Fri, 17 Jul 1998 02:29:56 -0400
From: "GREGORY HEATH" <KB2QQM@email.msn.com>
To: "QRP-L (SENDING ? TO QRP-L)" <qrp-l@Lehigh.EDU>
Subject: [15308] Know of any Linears for the Hw-8?
Message-ID: <0bc7e3034061178UPISSSMTPUSR01@email.msn.com>

I am looking for an amp for the Hw-8. anybody have one or know where I could get a circuit board for one. 2.5 watts is OK,,,but would be nice to operate at higher pwr when conditions are not good. Like 15 watts or so.
just a thought. Greg.

Date: Thu, 16 Jul 1998 23:50:45 -0700
From: Norm Melick <henmel@postoffice.worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [15309] 38S Low power
Message-ID: <35AEF445.C55E4C5D@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a 38 special that was putting out 5 watts, that is now, for some unknown reason putting out about 400mw. I've checked everything I can think of, still no luck.

If anyone could help me get back my 5 watts, I'd appreciate it.

72/Norm
KQ6SD

Date: Fri, 17 Jul 1998 00:35:52 -0700
From: "Frank A. West" <ke6vbm@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
<nhoop@centuryinter.net>
Cc: "Larry Marcum" <KA6GND@aol.com>
Subject: [15310] Re: QSL Cards?
Message-ID: <199807170749.AAA15175@gull.prod.itd.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

KA6GND Larry Marcum (sp)
Owns a shop in Chico or Paradise CA
KA6GND@aol.com

Normal disclaimer - no interest just satisfied customer

> From: Nat H <nhoop@centuryinter.net>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: QSL Cards?
> Date: Thursday, July 16, 1998 5:07 AM
>
> Where's a good place to get QSL cards made?
>
> 73 Nat KM5QU Oxford AR
>
>

Date: Fri, 17 Jul 1998 11:03:58 +0100
From: Rogerio Gonzaga <gonzaga@med.up.pt>
To: qrp-1@Lehigh.EDU
Cc: gqrp-1@blacksheep.org
Subject: [15311] CT1ETT/P/QRP on the air
Message-ID: <3.0.5.32.19980717110358.00940d30@mail.med.up.pt>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi, Folks

Please look for CT1ETT/P/QRP during the next couple of weeks, when I will be transmitting from the Southern part of Portugal, in Algarve: HOLLYDAYS!

I am there without email facilities (today I had to come to the Northern city of Porto by professional reasons). I have already put up an homemade FD3-like Windom at about 5 meters high. It works very nicely, with two wires, one for the 40-10 and the other to 15 meters, I have made a 4:1 balun winding 6 turns of "lamp cord" over a 8 cm segment of a ferrite rod, scavenged from an old entertainment radio. I am using RG59 coax. I intend to build some more wire aerials.

I will be using the Argonaut 509, with 3 watts output, mostly CW, maybe with a little of SSB. I am working EU in the 15, 20 and 40 meters, and intend to work stateside during the late afternoon on the 15 meters, and at night on the 20s. Extra europeans fellows, please note that in CT1 the local time in the summer is UTC+1.

Hope to meet you on the air.

Best 72/73 de Roger, CT1ETT

Date: Fri, 17 Jul 1998 06:16:10 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@Lehigh.EDU
Subject: [15312] Re: Spectrum Analyzer Article.....
Message-ID: <13792@w4bkx.ampr.org>

David Fouchey <dafouche@jax-inter.net>
responds to my post:

>At 11:26 AM 7/15/98 EDT, w4pj@w4bkx.ampr.org wrote:
>> I want my Aug 98 QST WAAAAA!
>>
>>
>>de W4PJ / Scott
>>----- 73 -----
>The bane of modern civilization, the desire for instant gratification...;-)

>

>Dave

>wa4emr

Nah, just human nature to salivate while watching someone else eating
a piece of your favorite pie!

de W4PJ / Scott

----- 73 -----

BTW When I got back into town last night, it was in the mail.
SA looks tasty too!

Date: Fri, 17 Jul 1998 06:39:36 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [15313] Dry run of BB Site.
Message-ID: <006301bdb16f\$4c81c0a0\$2e5445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I am going to be hiking to my Bumblebee operating
site today on the Appalachian Trail. I will be on 14.060
21.060 and maybe 7.040 sometime after 1700 UTC.

73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
http://www.kpsnet.com/wb3aal/Start_Page.htm
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309
Adventure Radio Society #380
Bumblebee #84

Date: Fri, 17 Jul 1998 07:17:18 -0400 (EDT)
From: Bruce Muscolino <w6toy@erols.com>
To: w_hill@ns.net
Cc: QRP-L@Lehigh.EDU
Subject: [15314] Re: High Speed CW. . .HELP!!!
Message-ID: <2.2.16.19980717070756.2edf4d86@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ward,

Personal experience says practice is the only answer. Back between 1978 and 1981 my employer sent me off the Holland on a long term assignment. I got a Dutch reciprocal license -- PA3AIC. One afternoon late in 1978 I went up to my radio shack to make a few QSOs. Imagine my sadness when I found 20 meters wall to wall with CQ contest! At that time I'd been in one contest -- the Novice Round-up 20 years earlier -- contests just weren't my thing.

But I wanted to get on the air, so I took a deep breath and answered someone calling CQ Contest. Lordy, he came back to me and I was forever lost! Contests back then went along around 20 to 25 wpm -- right at the upper threshold of my copying comfort. As I continued to compete I both became to get very successful and my CW improved so that 25 wpm was well within my comfort zone.

I took a big break from contesting from about 1982/3 until just five years ago. I wasn't in a situation where I could have a decent antenna. In 1994 I moved here to Maryland and I began to compete again. For the last two years I've entered the Sweepstakes, a contest I used to avoid like the plague. (The secret is I could win a pin for making over 100 QSOs!) I've done reasonably well.

Yes, the speeds have notched up, mostly due to memory keyers, but I find as I go from one end of the contest to another my speed starts to go up. There is no stigma to copying a station's exchange several times before you work him or after! As you work at it you'll get better. I'd suggest you tune in to W1AW's code practice sessions on the higher speed nights and copy what you can. You'll be surprised how much 25 wpm you can copy after you've been trying to copy 35 wpm! Practice pays off!

Good luck and 73,

Date: Fri, 17 Jul 1998 07:25:26 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@Lehigh.EDU
Subject: [15315] Re: Spectrum Analyzer Article
Message-ID: <13801@w4bkx.ampr.org>

David Fouchey <dafouche@jax-inter.net>
responds to my post:

>At 11:26 AM 7/15/98 EDT, w4pj@w4bkx.ampr.org wrote:
>> I want my Aug 98 QST WAAAAAAAAA!
>>
>>
>>de W4PJ / Scott
>>----- 73 -----
>The bane of modern civilization, the desire for instant gratification...;-)
>
>Dave
>wa4emr

Nah, just human nature to salivate while watching someone else eating
a piece of your favorite pie!

de W4PJ / Scott
----- 73 -----

BTW I once got my copy a month late, complete with dog-eared corners and
what looked like food stains on some of the pages. (Reading material
in the postman's lounge?)
.. Food stains... Pie?

Date: Fri, 17 Jul 1998 08:42:11 -0400
From: "Harry T. Hurst" <hhurst@delaware.infi.net>
To: <qrp-L@Lehigh.EDU>
Subject: [15316] RE: Tanner-White Receiver
Message-ID: <199807171238.IAA32338@fh101.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

The catalog number for the Tanner-White receiver is B-zero-zero, not B00!

Date: Fri, 17 Jul 1998 09:00:10 -0400
From: Gary Oneil <n3go@us.ibm.com>
To: <qrp-1@Lehigh.EDU>
Subject: [15317] The Bug thing
Message-ID: <5040400018084053000002L032*@MHS>
MIME-Version: 1.0
Content-Type: text/plain

Hi Gang;

Been busy here, and haven't had much time to post anything lately and let ya'all know I'm still breathin'. I need a fix, so I'll add my thoughts to the bug thread... just briefly.

First off... If you're using a hand key, side-swiper, or bug and you sending has color to it... i.e. you have a "swing"... well... I hate to burst ur bubble, but you're doin' it wrong. Oh yeah! It sounds cute... perhaps playful at something like 25 WPM or less, but at the higher speeds, it sounds like a bunch of babble. Sorry... just my opinion :-)

You know you're doin' in right when you get comments like "you using a keyboard there om?"
There's nothing easier to copy than "perfect" code. It allows for both sender and receiver to synchronize there timing... The harmony is oh so obvious in the 30 WPM plus region.

Can it be done with a bug? You bet! ... Can I do it? ... Perhaps for short bursts at a time :-)... I can only relate one of a growing list of memorable QSO's when I was engaged in a crossfire of exchanges with a chap who quite adept at QSK and obviously enjoyed this procedural format. His code was error free (wish I could say this about my own skill), our exchanges were around 30 WPM or so, and after ten minutes or so I asked him "what keyboard are you running with there om?" :-) His reply... "No kb hr Gary... I only have a bug".... (or something very close to that)... He had no swing gang... he just sent great code... It had to be or it wouldn't remain burned in my memory banks as anything special. On the other hand... did I forget to mention the old timer was a ripe 75 years young?... I suppose if there was something to be learned by that experience it's that I still have time to develop such skill myself.... some day... It just takes practice... practice... practice... and motivated enough by somebody whom I aspire to emulate.

Gary, N3GO

Date: Fri, 17 Jul 1998 07:05:33 -0600
From: w0yse@juno.com (Neil Klagge)
To: qrp-1@Lehigh.EDU
Subject: [15318] Re: High Speed CW. . .HELP!!!
Message-ID: <19980717.070533.10406.2.w0yse@juno.com>

I originally sent this to Ward, and then I thought maybe I should send it to the list. So here it is.....

Here's how I broke thru to 40+ wpm (in my head, only. Cant write or type that fast either). I started taping W1AW and K7HLR code practices and playing them while driving or doing chores (mowing, dishes, etc.) . Then just relax and it will start happening. First you only recognize short, common words, but then longer ones. I played each tape several times until I got 90% of it, then moved on to a different tape.

I did this over a period of several months (a short dirve to work; only 7 min.) Recently I stumbled across a very high speed code practice station, W1NMJ i think, on 14.026 approx. on Wed. evenings. At first I thought it was RTTY or digital. Then I started recognizing some of the short words. He was doing 60 wpm!!! The signal was too weak to tape, and too much qrm around it tho'.

K7HLR does 5 thru 40 wpm, with long 20 minute texts at each speed. Interesting stories about WW2 navy experiences. He is on 7056 at 1300z and 2300z most days.

---72/73's
Neil, w0yse since '54
now from Layton, Utah
----- End forwarded message -----

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 17 Jul 1998 09:27:29 -0400
From: "John J. McDonough" <jjmcd@tm.net>
To: <N9DD@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [15319] Re: Bugs and the consequences
Message-ID: <199807171312.9172300@is1.tm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: N9DD@aol.com; owner-qrp-1@Lehigh.EDU
>
> As for bugs giving you a distinctive "style" - I've found that most bug
> sending sounds the same. A "Q" always comes out "dah daaaaaah di dah". The
dits
> are always too short for the length of the dahs. It kind of reminds me of
the
> typical thing that happens with teenagers. In an effort to be "different"
and
> have their own personality, they often end up looking and acting like 90%
of
> others their age.

Right on Tom!!

I've never used a bug, but once I thought it sounded kind of nice. After a while, though, it just gets tiring to copy. Now when I hear those machine gun dits, I just move on to the next station.

72/73 de WB8RCR
didileydadidah

Date: Fri, 17 Jul 1998 14:11:36 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [15320] Tanner Electronics
Message-ID: <199807171311.0AA14572@chuck.dallas.sgi.com>

Gang,

Tanner Electronics in Dallas TX now has a web page, but please note that it is currently under construction, does not have all that much now, but will be growing as they work on it.

For those of you that have never been in Dallas long enough to get by and browse through the isles of components, kits for small projects, gel-cells at excellent prices with chargers also available, etc., then you have missed a gold mine of 'stuff'.

I may take the digital camera over and get permission from Jim to do some pics for the web page. Just to show you what I mean kid.

I and others in Dallas and some visitors have spent some money there. :-) Whenever I'm working on something and even though it is a 30+ km drive, I plan a few hours to drive over and spend some 'quality time' looking at every isle and table just for that little part or component that I just might need some day for that special part. You know what I mean? I knew you did.

I will see if they can do a partial kit of the parts for the Elmer300 project and any of the others that appear in the Elmer200 series..... I know how some of you just don't have a local store to shop for parts. Jim, K8IQY, is working on a Mouser parts list for that have to shop by mail, so stay tuned for further information. There will probably be others to do a parts package also and I'm trying to work on a freebie for some stuff that some guys are sending me.

Now, this posting is not an advertisement for Tanner Electronics, just a note that in the past I knew of stuff at the store that was not available outside the city by mail. Remember the gel-cell charger? Soon you'll be able to get a charger for less than \$10 (commercial wall wart) and pay for the shipping charges.

Web site is

<http://www.tannerelectronics.com/>

and there is a map to the place that you need to print out if you are coming to Dallas on business or vacation and want to drop by. They close around 3pm on Saturdays, not open on Sundays, and are open from 10a.m. to 6p.m. weekdays.

They, of course, have the Tanner-White receiver kit. :-)
But wait until they put it on the web page, 'cuz I know how this
group likes to call. ;-)

We all have our favorite place(s) in some cities where surplus
electronic stores and parts store abound. As we've said over
the years we all need to support them as we need them. As the
song says, "You don't know what you got until it's gone".

Another thing about support that I have been thinking about too.
In the next few months I will be going to Tuthill, Huntsville,
maybe Austin, Belton TX, and Concord CA for swapfests. Someone
on the list needs to accumulate information on when and where
the fests are and post a list of just the dates, city, and
location of these things. They are goldmines for QRP rigs
and parts and other stuff. :-) So many and so little time.....
We all see the single postings, but they get lost in the large
number of other postings.

FYI

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Fri, 17 Jul 1998 08:13:17 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <KB2QQM@email.msn.com>, "'Low Power Amateur Radio Discussion'" <qrp-
l@Lehigh.EDU>
Subject: [15321] RE: Know of any Linears for the Hw-8?
Message-ID: <19980717131316911.AAA85@muenzlerk>

I don't mean to sound smart or anything but this is
ham radio, build one. A low power class-C amp is a
very simple thing. One transistor and a few
impedance/filtering components and you have it. I
think I remember seeing a construction project in the
ARRL handbook for a low power amp for QRP. If I can
find it I'll let you know.

Kevin

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> GREGORY HEATH
> Sent: Friday, July 17, 1998 1:30 AM

> To: Low Power Amateur Radio Discussion
> Subject: Know of any Linears for the Hw-8?
>
>
> I am looking for an amp for the Hw-8. anybody have one or
> know where I
> could get a circuit board for one. 2.5 watts is OK,,,but
> would be nice to
> operate at higher pwer when conditions are not good. Like 15
> watts or so.
> just a thought. Greg.
>
>
>
>
>

Date: Fri, 17 Jul 1998 13:14:52 GMT
From: nhoop@centuryinter.net (Nat H)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [15322] Re: Bugs and the consequences
Message-ID: <35b04c14.8923319@mail.ot.centuryinter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>As for bugs giving you a distinctive "style" - I've found that most bug
>sending sounds the same. A "Q" always comes out "dah daaaaaah di dah". The >dits
are always too short for the length of the dahs. It kind of reminds me >of the
typical thing that happens with teenagers. In an effort to be >"different" and
have their own personality, they often end up looking and >acting like 90% of
others their age.

Thanks for the well thought out comments, Tom. I certainly agree with you.
I wish I had the talent for reading any kind of code..I'm working at it,
but I ain't there yet(G). Well sent code makes the difference between
replying and just listening.

I think too, (zipping up flame suit) there's the matter of courtesy...
thoughtfullness towards others. I think it's a bit "in-your-face" to send
poor code for the fun of it. Im in a learning phase right now myself, and
am doing a LOT of practicing sending...to myself. I'm determined to get it
right (or at least, reasonable) before subjecting others to it.

Thanks again,

73 Nat KM5QU Oxford AR

Date: Fri, 17 Jul 1998 09:16:17 -0400
From: Gary Oneil <n3go@us.ibm.com>
To: <QRP-L@Lehigh.EDU>
Subject: [15323] Inverted Verticals "The TURN IT UPSIDE DOWN" Thread
Message-ID: <5040400018084672000002L022*@MHS>
MIME-Version: 1.0
Content-Type: text/plain

Nothing new here gang... viz... The Zepp (aka Zeppelin... the lighter than air kind.. tee hee)... in it's original form... an inverted J-pole... aka... inverted end-fed halfwave vertical... which by the way works quite well thank you :-)

At the KnightLites monthly QRP-zzah last night, Sir Todd (WBOHQQU) presented me a reference to an article published in 1935 describing the J-pole... So far, it's as far back as I have personally witnessed in publication (I have a photo copy of the referencing article on hand). There's so much antenna art buried in the archives of early wireless... I continue to be astounded at the technology savy of our forefathers... Now an "official" senior citizen (just turned half a century), I'm still learning this stuff... Oh what fun it must have been in those early days!

72

Gary, N3GO

Date: Fri, 17 Jul 1998 14:26:55 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: w0yse@juno.com
Cc: qrp-l@Lehigh.EDU
Subject: [15324] Re: High Speed CW. . .HELP!!!
Message-ID: <199807171326.0AA14629@chuck.dallas.sgi.com>

W1NJM (No Joking Matter), George Hart, has been doing the QRQ code

practices on the air for more than 30 years. He is a member of a group called the Connecticut Wireless Association and if my memory serves me correctly, they are the main sponsors of the practice session, although I have heard noone other than George run them in all these years.

There is only one way to do QRQ speeds. Listen, listen, and listen some more and do it daily. Education is expensive no matter how you do it. I listen to tapes and I exercise with a computer using newsprint. I am truly sorry gang, but I do not listen to code that has a swing to it unless I wind up in a QSO after calling CQ. It is difficult and it will ruin your speed if you keep at it. My opinion and I think a valid one. IMHO.

Thanks to Neil for the posting. He obviously listens a lot. :-)
You let the cat outta the bag Neil.....

BTW, George used to do the code tapes for the high speed contests around the country for swapfests, back in the days when code tests were in. Have a few certificates in the filing cabinet from those days.

Don't forget the high speed (20-35 wpm) exercises from W1AW every two days.

The MFJ Tutor does up to 60wpm, but the same format of QSO after QSO bugs some people, but you do get good at the first few minutes of a QSO on the air. :-)

Use RUFZ for practicing callsigns. Use the SS simulator in some of the logging programs for Sweepstakes.

And the most important of all is just get to the rig and get on the air. But QRP and QRQ don't work all that well together as you need a high S/N ratio for the real high speeds. Been there done that and W9WBL will tell you about that sometime when you see him in person. Stan is the mfgr of the now famous paddles.

Again, thanks Neil for the trip down memory lane.

dit dit

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Fri, 17 Jul 1998 09:35:45 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:RangerSF5@aol.com" <RangerSF5@aol.com>, "+Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, //QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [15325] WHY TAPES???
Message-ID: <199807170938_MC2-5363-665F@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Bob:

Excellent point. No problem. I use tapes a lot because of heavy travel demands, including overseas. I simply schlep along a small cassette player and go for it. Took two extended trips to eastern Europe last year and simply couldn't take a receiver into the countries involved. But there was no question about a small tape machine!

Also am a long distance runner and find the cassette player a welcome diversion, especially during marathon races.

But you are right, *live* sessions especially QSO's are undoubtedly the best :-). Bottom line--there are many ways to get it done.

72/73,
--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Fri, 17 Jul 1998 08:42:47 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: nhoop@centuryinter.net
Cc: qrp-l@Lehigh.EDU
Subject: [15326] QSL Cards
Message-ID: <9807171343.AA16391@uahis1.uah.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7BIT

I have had very good results from W4MPY. His cards are high quality

and are relatively inexpensive. My cards were made from my design.

Previously I had used a stock design from Little Print Shop. These were good, and very inexpensive.

73 Bryan W8LN

Date: Fri, 17 Jul 1998 09:56:02 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [15327] Postponed = Dry run of Bumblebee Site.
Message-ID: <00a701bdb18a\$c36ac700\$2e5445c6@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am postponing my dry run until Saturday due to the weather forecast for the area. I don't feel like getting caught in the thunderstorm on the mountain.
Look for me around 1500 to 1600 UTC.

>Hello,
>
>I am going to be hiking to my Bumblebee operating
>site today on the Appalachian Trail. I will be on 14.060
>21.060 and maybe 7.040 sometime after 1700 UTC.

73, Good DXing & QRPing
Ron de WB3AAL

E-mail: wb3aal@talon.net
http://www.kpsnet.com/wb3aal/Start_Page.htm
BBS: WB3AAL @ WB3FYL.#BER.PA.USA.NA

EPA QRP # 1 QRP # 5318 10-10 # 13173
QRP-L # 1099 G-QRP # 3031 AK QRP # 309
Adventure Radio Society #380
Bumblebee #84

Date: Fri, 17 Jul 1998 22:25:14 -0400
From: cy r currier <crc3@telplus.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, "'martins@ccosmo.net'"
<martins@ccosmo.net>
Subject: [15328] RE:
Message-ID: <01BDB1D1.C7635920@bgr25.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

that's like asking who u should marry or what kind of car to drive. i =
like inv-v
and not have to lug a tuner. u need a pvc pole if u are above the timber =
line. ground no big problem. feed w coax (174). good luck cy - k1tes=20

From: Keith W. Martin
Sent: Thursday, July 16, 1998 11:27 PM
To: Low Power Amateur Radio Discussion

Group:

Thanks for all the feedback. The NC40A seems to be a great rig. But I =
have elected to buy the OHR Explorer II. Now I have one more question. =
What type of ant. is best for use while backpacking? Just a regular =
dipole?, long wire?, inverted V, or ???

Thanks in advance for the info!

Keith
KA6ASJ=20

Date: Fri, 17 Jul 1998 10:36:45 -0400
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [15329] Re: Know of any Linears for the Hw-8?
Message-ID: <35AF617D.13C4@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> > I am looking for an amp for the Hw-8. anybody have one or
> > know where I

> > could get a circuit board for one. 2.5 watts is OK,,,but
> > would be nice to
> > operate at higher pwer when conditions are not good. Like 15
> > watts or so.
> > just a thought. Greg.

Greg,

Plans for amplifiers for QRP rigs appeared in:

qst1979.txt:Putting The Boots To Your HW-8 QRP Transceiver [Demaw] ...
Apr P15
qst1979.txt:Boots For The HW-8 ... Apr P47 ... Feedback ... Jun P18
qst1981.txt:Boots For QRP Rigs ... [Kapplin] ... Jul P15

PC boards are probably not available, but these are simple circuits, so they should be relatively easy to debug. Recent ARRL Handbooks have an excellent Construction chapter that describes many usable techniques.

73,
Ed Hare, W1RFI
ARRL Lab

Date: Fri, 17 Jul 1998 10:33:14 -0700
From: Scott Howell <whowell@hq.nasa.gov>
To: N9DD@aol.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [15330] Re: Bugs and the consequences
Message-ID: <3.0.5.32.19980717103314.007f6100@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have heard bug code before and I will agree with you to a point. I think anyone who is interested in using a bug should. However, like using paddles, keys, etc. one must practice and insure their code sending skills are good with that device. I have heard really bad straight key sending as well as bad code with paddles.

So, I would not want to see someone discouraged from using a bug, but instead encouraged do so and do it correctly. My two cents worth.

At 11:50 PM 7/16/98 EDT, N9DD@aol.com wrote:

>Hi Gang

>

>I make a determined effort to stay out of debates and rarely throw my two
>cents in to continuing threads on the list, but I can't resist when it comes
>to this bug debate...

>

>If you choose to go on the air with a bug with minimal practice, you need to
>realize that:

>

>1. You will get fewer answers to your CQs

>

>2. The QSOs you do get into will more often be cut short by the other
>operator.

>

>3. If you answer someone's CQ and another station sending better CW also
>answers, the CQer will be more likely to answer the other guy.

>

>4. In a DX pileup, you will lose out more often.

>

>These are the facts. Many operators pride themselves for being able to copy
>less than perfect code. That is an ability we all should shoot for. Given the
>choice though, most operators prefer to listen to well-sent code. If your bug
>sending is so good that you often surprise the other guy when you tell him
>that is what you are using, then you are doing fine. Go for it. Otherwise, be
>willing to accept the consequences.

>

>As for bugs giving you a distinctive "style" - I've found that most bug
>sending sounds the same. A "Q" always comes out "dah daaaaah di dah". The
dits

>are always too short for the length of the dahs. It kind of reminds me of the
>typical thing that happens with teenagers. In an effort to be "different" and
>have their own personality, they often end up looking and acting like 90% of
>others their age.

>

>Gee, I'm sounding grouchy in my old age. See you all on the bands. I'll do my
>best to copy - no matter how you send. My sending is not perfect by any means
>and I make more than my share of mistakes, but I'm still trying to improve.
>Let's all try to do the same.

>

>73,

>

>Tom N9DD

>South Bend, IN

><http://members.aol.com/n9dd>

>

>

>

>

>

Date: Fri, 17 Jul 1998 10:56:51 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [15331] Re: Know of any Linears for the Hw-8?
Message-ID: <35AF6633.1C12@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes, class C linears are pretty easy to "design" using rough design techniques and a bit of experimentation--Solid State Design is a good reference. This ought to be good enough for most amateurs. The challenge is trying to "graduate" to more advanced techniques that ought to be able to predict regions of instability.--Zack Lau W1VT

Date: Fri, 17 Jul 1998 08:06:37 PDT
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [15332] Idea for PC Board Etching
Message-ID: <19980717150637.21321.qmail@hotmail.com>
Content-Type: text/plain

This is probably widely known but I have never run across it mentioned anywhere.

Fingernail polish makes excellent etch resist for making your own PC boards. It dries fast and is virtually impermeable to Ferric Chloride etchant (don't know about persulfate but guess it might be problematic). I have had lots of trouble with rub-on resist and resist pens etching through if left too long. Fingernail polish is very forgiving. And it even comes with a handy applicator in every bottle.

You can use carbon paper to layout reference points before painting on the fingernail polish if you don't have a good eye for layout (especially for IC's). A good way to do this is to draw your circuit pattern on engineering paper (10 lines to the inch). Transfer it to tracing paper and then carbon the important points to the board and do the rest by eye.

Instead of using tin plating solutions to coat the copper traces after

etching, I like to rub the board down with paste flux and then tin the traces with a hot wetted soldering iron. It is important that the copper be polished after etching and removing the fingernail polish. The flux is electrical flux, of course, NOT the zinc chloride plumbers' flux. RS sells tubes of the stuff but their brand is very sticky and gooey. Kester makes a rosin paste flux (SP-44) which is stiffer and less messy.

Brad

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Date: Fri, 17 Jul 1998 10:51:14 -0400 (EDT)
From: Richard Brittingham <rbritt@visi.net>
To: Chuck Adams <adams@chuck.dallas.sgi.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15333] Re: High Speed CW. . .HELP!!!
Message-ID: <Pine.GS0.3.96.980717105033.6870A-1000000@ankara.visi.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Is the W1NJM code practice done ove the air or only on tape?

Thanks and 73/72

Richard W4MCD

Amateur Radio Operator as WD4AEF for 22 years
Now Vanity Call is W4MCD

Date: Fri, 17 Jul 1998 11:13:47 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU
Subject: [15334] HOMEBREW QSL CARD
Message-ID: <72f29ffc.35af6a2c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Printing my cards was not an alternative with a bubble jet printer. One of the local copier companies prints my designs. I am able to work up what I want and e-mail them the file and get the cards within 48 hours usually. Cost about \$40 per 500 for black-white-greyscale.

Alan KB7MBI

Date: Fri, 17 Jul 1998 15:16:20 +0000
From: Ed Loranger <we6w@qsl.net>
To: cebik@utkux.utcc.utk.edu, ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15335] Re: TURN IT UPSIDED DOWN
Message-ID: <35AF6AC4.333C@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I didn't give this much thought yesterday. But last night I came up with many analogies that matched Alan's idea.

My conclusion is that the closest thing I can come up with that matches the upside down vertical (i.e. fed at the top and having ground-plane wires off the top), is the Discone antenna. Only in Alan's case he wants to reverse the connection such that the center (Hot) wire goes to the bottom section.

I say go for your "Thin Discone" antenna idea. See what you can do with an aluminum tube vertical section and wire top hat. I would run the coax up the inside of the pole.

Sounds like fun!
-Ed/WE6W CP-Not taken, MP-0

L. B. Cebik wrote:

>
> Inverted verticlas are more common than we think. Some slopers are
> actually vertical upside down. The object is to get the high current, low
> impedance point as high as possible--and to get whatever loading must be
> done to the high voltage low current end of the antenna.
<snip for brevity>

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Fri, 17 Jul 1998 08:23:05 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15336] QEX Technical Editor
Message-ID: <Pine.BSI.3.96.980717082016.399A-100000@usr04.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Does anyone know who is presently the technical editor for QEX and how to go about contacting him? Looks as though Rudy Severns has dropped out of the picture, or has at least changed his email address.

```

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  /   extinct stuff, anyhow?  /
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          c__; c__; '...'>._

```

Circuit Design for the RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Fri, 17 Jul 1998 11:32:55 -0400
From: ke4tsa@juno.com (Michael F Danchi)

To: qrp-1@Lehigh.EDU
Subject: [15337] Audio preamp--Help!--More clarification.
Message-ID: <19980717.113315.6774.0.KE4TSA@juno.com>

Sorry to have been so vague. I'm trying to plug a decent quality mic into my PC's sound card for digital recording purposes. I have found that the quality of the recording is fairly good if I record through the LINE IN jack on the card. (I'm a violinist, so a \$15000 recording system would be just about perfect :-). But... I can't afford it.) However, the sound level which I obtain using this method is EXTREMELY low. I can't use the MIC jack on the card because it has a VERY cheap mic preamp. This is where I hope to build a GOOD preamp to plug into a LINE in jack. I would be able to use this preamp with other equipment which either does not have a MIC jack or which has (like my sound card) a preamp that is useless for hi quality recording. (There are many such devices such as the VCR style Mini-Disk decks which don't have anything but a LINE IN jack.)

I hope that clears up the confusion I caused!! Sorry ; -)

Thanks for the responses, and thanks in advance for any more!!

Michael F. Danchi KE4TSA
"Guardian"

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 17 Jul 1998 11:41:16 EDT
From: w4bld@juno.com (Robert B. Kerby)
To: qrp-L@Lehigh.EDU
Subject: [15338] Question about SG-2020
Message-ID: <19980717.112227.7671.9.W4BLD@juno.com>

Hello and Thanks for reading this post -

After 44 years in ham radio, I have decided to go QRP. I have a HW-8 but have ordered a SG-2020 which has been on back order since March.

Yesterday, I was talking with a QRP OP who told me that the rig is no good on CW, the very thing for which I wanted to use it primairly.

If anyone out there has a comment on this rig, please let me know. You

might just save me experienceing at \$600.00 "also bought" experience.
Many Thanks, Bob

Robert B. Kerby - w4bld@juno.com
PO Box 991 (231 Rosser Avenue)
Waynesboro, VA 22980 (540) 942-4356
Collect: Morrow, Gonset, Elmac

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 17 Jul 1998 10:43:11 -0500 (CDT)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU
Subject: [15339] BUGS, SPEED, HEAD COPY... AND FINAL LINK IN THE CHAIN
Message-ID: <199807171543.KAA17552@ns1.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang:

I've been following the cw bug thread... I used one long long ago
and had fun like I can't begin to tell u... With those we knew and talked
with regular we would try a "swing" here and there ans some were cute others
not copieable...

As it was we culd pretty much tell whose "fist" was behind the cw...
Sry... I digress
to the POINT

After a ham has spent endless hours, getting the perfect setup for
his rig, mastered the art of the bug, tuned the rig to produce an ideal
signal, can copy cw from one to umpteen wpm.... the ham needs to "HAVE THE
SIGNAL HEARD".

Remember: we have voluntarily restricted ourselves to only 5 watts
or less output... Soooooooo all this effort finally boils down to ur ANTENNA
or lack of Antenna...

No where is this more true than where hams are in "restricted"
areas... like apartments, small back yards, no trees... etc...

Ur perfect signal will receive more replies if it is better heard on
the other side...

The best "PRATICAL" antenna possible for ur particular situation
will make the most of ur skill and effort... at some point the antenna can
negate ur better than average talents... and yes, there are many times when
a simple dipole, vertical, inverted v can be the "best" pratical antenna for

ur situation..

If replies are not coming, and all else is doing fine... if no replies are coming, and the band is open... maybe the antenna needs to be upgraded also...

God Bless

Joel wa5cvm in maine, home of the "big crawfish"

God Bless

Joel

WA5CVM

Joel Denison Gentle Lady (RC Sail Plane)(049 engine - start)
PO BOX 542 DIPOLE on 40mtr
Strong, Maine 04983 QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
jdenison@morelr.com Use strong nets guys, the crawfish are big over here

Date: Fri, 17 Jul 1998 08:50:05 +0000
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-l@Lehigh.EDU, azqrp@dancris.com
Subject: [15340] Ft. Tuthill Hamfest/QRP Symposium
Message-ID: <199807171543.IAA07956@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

One week to go for the Ft. Tuthill Hamfest and AZ ScQRPions QRP Symposium in Flagstaff. Here is the schedule for Saturday, July 25, 1998 :

9:00-10:00	Doug Hendricks KI6DS and Jim Cates WA6GER.
10:00-11:30	Jim Duffey KK6MC on QRP Antennas
11:30-1:00	Lunch Break and bargain hunting
1:00-2:00	Gary Hembree N7IR on QRP Contesting
2:00-3:00	Chuck Adams K5FO on SPICE Modeling and NEC2
3:00-4:00	Dave Finley N1IRZ will talk about Breaking the Code Barrier...improving your CW speeds
4:00-5:30	Paul Harden NA5N will bring us up to speed on Solar Phenomena, Storms and Propagation effects.
6:30-?	QRP Cook-out in the group camping area..bring your

own tools and meat dish, we provide salad, beans and fun.

Door prizes will be awarded at each session, donated by such notables as Small Wonders Lab (SW 40+), Almost All Digital Electronics (DFD-3 Digital Display kit), Embedded Research (Tick EMB Keyer and EPS-1 Essential Power Supply), MorseX (Apell keyer kit w/built-in 80 Meter xmtr), and others. You need to be at the session to be eligible to win one of these fine prizes.

Register at the AZ ScQRPions table for your information packet beginning at 7:30 on Saturday, and get your door prize ticket at the door as you enter the session.

Group camping area has been reserved, and is available at \$7.00 per night per site. There are shower/toilet facilities at the site.

Check my web page for directions, and come on up and join us.
Bob Hightower KI7MN <http://www.dancris.com/~ki7mn>

Date: Thu, 16 Jul 1998 09:08:35 -0700
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: <jjmcd@tm.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [15341] Re: Bugs and the consequences
Message-ID: <01bdb0d3\$fca67f80\$b8aad9cf@rmccarty.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What a pleasure to see so many in support of Good Code! I reference earlier posts I have made regarding the use of bugs and what apparently is inherent in their use i.e., sloppy swing, and I was flamed into silence. :-)

It seems that those in support of swing automatically, as a programmed response, cite the ability to copy "Anything" in support of their style. I Think these are two distinct issues i.e., I can and I am sure most who read this reflector can, copy "Anything", but that should not eliminate the drive or the challenge to send "Perfectly". Yes, a Good CW op should be able to copy anything AND, a good CW op should strive to send the best code possible.

Further, Am I happy? You bet. I can't think of anything that makes me happier than to challenge myself to be the best I can be. I would be miserable in knowing I was sending out slop without the attendant effort to do better.

My biggest complaint with those using "Swing" style code, is that for the most part, it is intentional! As if it were a badge of honor and a merit of professionalism. I don't think so. It is rude and insensitive to the operator on the receiving end. GOOD communication, whether using CW or any other mode of communication, is making the effort to ensure your communication is understood by the receiver! Intentionally "encrypting" your style is akin to someone who speaks a second language using that language while your in their conversations. Rude. As far as professionalism is concerned, I have never heard a commercial CW service (KPF etc.) that uses a swing style.

Lastly, in order to dispel the myth that I oppose all uses of a Bug, not true Raid breath! I applaud and respect those that use a bug with the intent to send perfectly spaced code! I am awed and amazed at the skills and proficiency of these operators and make it my goal to replicate their efforts. If you ever hear N6EV or WE6W on the air, Those are the examples of which we should strive. I apologize to the MANY others that I have not mentioned with similar goals. THANK YOU for being good role models.

Roger KD6CC

-----Original Message-----

From: John J. McDonough <jjmcd@tm.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Friday, July 17, 1998 6:10 AM
Subject: Re: Bugs and the consequences

>> From: N9DD@aol.com; owner-qrp-1@Lehigh.EDU
>>
>> As for bugs giving you a distinctive "style" - I've found that most bug
>> sending sounds the same. A "Q" always comes out "dah daaaaaah di dah". The
>dits
>> are always too short for the length of the dahs. It kind of reminds me of
>the
>> typical thing that happens with teenagers. In an effort to be "different"
>and
>> have their own personality, they often end up looking and acting like 90%
>of
>> others their age.
>
>Right on Tom!!
>
>I've never used a bug, but once I thought it sounded kind of nice. After a

>while, though, it just gets tiring to copy. Now when I hear those machine
>gun dits, I just move on to the next station.
>
>72/73 de WB8RCR
>didileydadidah
>
>
>

Date: Fri, 17 Jul 1998 12:20:11 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [15342] Re: MRF477
Message-ID: <35AF79BB.4D0D@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes, these devices have been discontinued by Motorola.--Zack W1VT

Date: Fri, 17 Jul 1998 09:54:13 -0700 (PDT)
From: Paul Erickson <paule@sfu.ca>
To: qrp-l@Lehigh.EDU (qrp)
Subject: [15343] TR switching in the IC-202 ?
Message-ID: <199807171654.JAA02223@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

I was just given an Icom IC 202 and was wondering if anyone has modified one to provide automatic tr switching when used for cw?

I'm trying to help a local ham with his cw and 2 meters would be a good place to do it.

Thanks in advance.

cheers, Paul VE7CQK/email: paule@fraser.sfu.ca

Date: Fri, 17 Jul 1998 12:54:41 -0400
From: "GARY McCAUGHEY" <MAIL4GARY@worldnet.att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [15344] Fw: TenTec Argosy II w/matching power supply, MFJ-447 Keyer,
dummy load, paddle, bencher RJ-1 key
Message-ID: <19980717165539.EZPD15404@gary>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Found this in a new group. Thought someone might like to look into it.

Gary
W2UX
Lexington, SC

CW is the REAL THING! Use it or lose it.....

: From: Jack Mc Kie <mjmckie@mail.frontiernet.net>
: Newsgroups: rec.radio.swap
: Subject: FS: TenTec Argosy II w/matching power supply, MFJ-447 Keyer,
dummy load, paddle, bencher RJ-1 key
: Date: Friday, July 17, 1998 9:10 AM
:
: Station for sale-
:
: Argosy II 525-D with #223 noise blanker, #224 audio/cw filter, #220
: 2.4khz filter, #217 500hz cw filter, 1126 T-R switch, #225 power supply,
: Radio Shack dummy load, Bencher straight key, home made paddles, MFJ
: #447 deluxe keyer.
:
: Excellent condition.
:
: \$650 + shipping
:
: Please reply direct via e-mail
:
: Jack
:

Date: Fri, 17 Jul 1998 09:57:42 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>

To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [15345] Bugs and ETC
Message-ID: <Pine.SOL.3.96.980717093721.676A-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wow,

No wonder so many people can't copy bugs.....

Maybe I am missing some e-mails but the ones I have read don't condone poor sending nor do they say anything about how hard people work to send bad code intentionally!

I can't believe how many people have read into these posts that poor cw sending is somehow good. Or is what people with bugs are trying to do. Or that people work hard to come up with some "swing" that no one can copy!

Geeeeesssh people, get a life!

I think everyone here is smart enough to know that the goal is to send proper CW. (And that really does mean NO FARNSWORTH spacing either!).

What I have seen in these exchanges is that people are working hard to send good CW with their bugs. Many, like me, keep the bug in the box because we no longer send good code with it.

Far too many don't want to admit that being able to copy less than perfect CW is not only just another level in the code picture but also lets them miss out on many great QSOs.

Is a good fist more fun to copy than a poor fist? You bet! Can I copy poor cw as well as I used to? Nope! I have also been spoiled with so much good code.

But at least I know what the score is! :-)

In my 45+ years of hamming I have yet to know someone who tries to send poor code!

I was glad to see the post about the poor CW from hand keys! 90% of the hand keys I hear are sending very poor CW. Just as bad a many of the bugs. But it's usually slower and easier to figure out! (Gee, do ya suppose that might have something to do with skill level?)

OK, back in my hole!

PS: Notice that there is nothing in this post that says poor code should be a goal or that it's nice to the other guy or better to copy than good code! :-)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Fri, 17 Jul 1998 12:06:00 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: nhoop@centuryinter.net
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [15346] Re: QSL Cards
Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C9385E3@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Nat

With the proliferation of home computers, a lot of us are making our own now, rather than buying 500 or 1000 at a crack.

The advantages are that you can customize your card for various operating events--FD, QRP to the Field, BUBBA, the annual Fox Hunts, etc. If you have an inkjet printer, you can even put color on the card.

Another small advantage is that with people moving a lot these days, you aren't stuck with a bunch of cards with old addresses or other info on them.

It is fun to crank out a card of your own design. There are logos available to put on your cards, such as ARRL, Nor-Cal, QRP ARCI, etc. You can personalize your card as far as you like. Add a piece of clip art if you see one you like.

You can make each card unique, or make a production run. I usually run off about 25-30 cards at a time so I can keep a few ahead. These are my regular cards. I make up special event cards on a demand basis so I don't overstock on them.

Hope this helps a bit.
73, Bob N6WG

Date: Fri, 17 Jul 1998 12:04:44
From: Steven Weber <kd1jv@moose.ncia.net>
To: John Evans - N0HJ <jaevans@codenet.net>
Cc: qrp-l@Lehigh.EDU
Subject: [15347] Re: 11-2-10 project
Message-ID: <3.0.3.16.19980717120444.22bfbbf2@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi John,
>
> You amaze me.

Sometimes I amaze myself <g>!

> Let me know (and the group as well) what would be
> a good model to integrate your mod board into. Are you specifically
> working with the MCB-30 right now?? Have you looked at the 21-1701
> from RS? I'd hate to miss the closeout/sale in these if the RS model
> will be fine for the mod.

I'm currently working with the Maxon MCB30. It looks like the RS21-1701 is the identical radio inside. The only difference is the case shell is plastic on the RS and metal on the Maxon.

There is one other difference. Price. The RS is \$39.95 on sale this month, and the Maxon is \$34.96, everyday low price (tm) at Wal-Mart. So, if you have a Wal-Mart near by, you can save 5 bucks.

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Fri, 17 Jul 1998 13:20:38 -0400
From: "Harry WA3PTG " <hhurst@delaware.infi.net>
To: <qrp-l@Lehigh.EDU>
Subject: [15348] RE: Tanner-White Receiver

Message-ID: <199807171718.NAA28352@fh101.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I just bought the last one from BGI Micro.

At work. dang it!
WA3PTG * NJQRP *QRP-L * EPAQRP

Date: Fri, 17 Jul 1998 10:14:03 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: qrp-l@Lehigh.EDU
Subject: [15349] WTB: QRP rig for roommate
Message-ID: <Pine.LNX.3.96.980717101045.2545B-1000000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

What would you folks recommend for a QRP rig that is inexpensive, yet can handle novice-band operation? Kit or pre-assembled; doesn't matter. My roommate keeps pestering me about getting my HB rig done, and frankly, I don't have the time to work on it -- my profession is chewing up FAR more time than I've ever imagined... :(

[Odds are likely that I'll end up using it too now and again... hehe :)]

Also for a good keyer...OH! I forgot again -- I still need to send Steve \$30 for the keyer kit that he made... AARGH! I hate disorganization. I'm so absent minded sometimes...

=====

KC5TJA/6		- TEAM DOLPHIN -
DM13		Samuel A. Falvo II
QRP-L #1447		http://www.dolphin.openprojects.net

Date: Fri, 17 Jul 1998 17:20:23 +0000
From: Ed Loranger <we6w@qsl.net>
To: rmccarty@earthlink.net

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15350] Re: Bugs and the consequences
Message-ID: <35AF87D7.5B7B@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I was going to respond anyway Roger, but after seeing my
callsign it is even more satisfying to reply. (Roger,
I'm blushing :)

I've been waitin for a post like yours. I agree completely!
Well Said!

I have worked very hard to send good code on the bug. And I
only started learning in Mid-January this year. I started
real slow and always work on keeping the DAHs up to speed
with the Dits. In fact, I have kept at under 32 WPM on the
bug because I can't send the Dahs fast enuf -- And I send
with my Left hand (I'm right handed) using my thumb for DAHS.

Whereas I find it a challenge to copy ??six on the air, due to
his excessive dits etc. I'm very glad I met him -- he who
operates from the care home at 86 yrs. of age with a wire
exiting the window with a view. I don't like his style with
the bug, but he's a nice guy.

And it isn't just bug users, anyone can send bad with a
paddle or cootie or straight key. Run-on and unspaced
letters come to mind. A conversation with an auctioneer
comes to mind....

I hope all bug users or 'semi-automatic key' potentials,
continue to strive for perfect code first, because any
intentional "swing" before that is simply manufactured
and imitation. The real swing (IMVHO) manifests itself
over time as you continue to work to send perfect code
with the bug.

That is your signature and it will be very good copy.

Come visit me every night on either the FSC, "fifteen
meter Slow code at 5-8 WPM on my bug, QRG=21.158 MHz
or 40 Meter QRP freq: 7040 +/- 1KHz at about 22-30
WPM or whatever speed you like under 40 WPM.
Hours:0230Z to 0500Z or until my head hits the
table :)

Best operating to all. And remember: We don't learn from our mistakes -- We learn by recognizing them and taking corrective action, no matter how minimal, in the right direction.

Roger A. McCarty wrote:

<snip of Great Points!>

>

> Lastly, in order to dispel the myth that I oppose all uses of a Bug, not
> true Raid breath! I applaud and respect those that use a bug with the
> intent to send perfectly spaced code! I am awed and amazed at the skills and
> proficiency of these operators and make it my goal to replicate their
> efforts. If you ever hear N6EV or WE6W on the air, Those are the examples of
> which we should strive. I apologize to the MANY others that I have not
> mentioned with similar goals. THANK YOU for being good role models.

>

> Roger KD6CC

<snip>

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Fri, 17 Jul 1998 11:22:04 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@Lehigh.EDU
Subject: [15351] CQC Events this weekend
Message-ID: <199807171722.LAA31411@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

First, for those of you in the Denver area, our annual picnic meeting is tomorrow. Details are on the web page and in Low Down and have been posted to the CQC Reflector, or you can e-mail me if you need to.

Non locals are encouraged to look for CQC members on the bands around 12:30 or so. We're having a "run for the trees," which is basically a competition to see who can take off from a common starting point with whatever and any radio gear he/she can carry, and achieve an out of state QSO first.

And don't forget the GCGR sprint on Sunday-- I'll append the rules. We will issue a certificate for the highest score in each state, but you have

to be in it to win it.

73

Marshall, N1FN

The Great Colorado Gold Rush

When: Sunday, July 19, 1998

Time: 2000-2200 UTC

Band: 20 meters only

Mode: CW only

Power: 5W maximum

Classes: W -- WIRE: single element wire; including dipoles,
random wires, Zepp, doublets, inverted V, slopers, single element loops,
inverted L, etc.

V -- VERTICAL: verticals; including single
element, ground plane, trapped vertical,
or anything with vertical polarization and more or less omnidirectional
pattern.

B -- BEAM: multi-element arrays/beams; including beams,
multi-element loops,
phased verticals, V-beam, rhombic, etc.

P -- PORTABLE: temporary field station; may
use any type of antenna, INCLUDES MOBILE.

If you are not sure about your antenna class, send us a description ASAP
(via E-mail to n1fn@mtechnologies.com or jmedley@ix.netcom.com).

Operations may be conducted with different antennas provided all antennas
are in the same class.

Exchange: RST + SPC + Class + CQC Member # or Pwr Out

Example: 559 C0 V 345 -or- 559 CT P 5W

Multiple contacts: the same station may be worked up to three times
during the contest, provided a minimum of 30 minutes has elapsed since the
last QSO with the same station.

Scoring: 3 points for first contact with a station.

2 points for second contact with the same station.
1 point for third contact with the same station.

Multipliers: all multipliers count once over all. Multipliers are SPC's and CQC members worked.

Final Score: QSO Points x SPC x CQC Members = Total Score

Logs: Submit logs showing time, callsign, exchange and QSO points for each station worked, show totals of multiplier points. Example:

		Time Pts	Call	SPC	Ant	Mem#/Pwr
2005	W0CQC	CO	V	132		3
2012	N1FN	CT	W	151		3
2036	W0CQC	CO	V	132		2
2037	KA8OM	MI	P	5W		3
2115	W0CQC	CO	V	132		1
Etc.						
Totals		3		2		12 etc.

Dupes: W0CQC - 2005 2036 2115
SPC: CO CT MI
CQC#: 132 151

Please include an alphabetical dupe sheet showing times and calls of multiple contact stations, SPC's and CQC Member numbers. Also include a description of your equipment, antenna(s) used, and power output. All submissions must indicate entry class and your mailing address including e-mail address if available.

Deadline: Logs must be postmarked or emailed no later than 30 days post contest. Logs received after this deadline will be used as check logs only.

Mail: CQC Gold Rush
c/o Jan Medley, N0QT
5770 Niagara St.
Commerce City CO 80022-4030

E-mail: jmedley@ix.netcom.com
(all E-mail submissions in ASCII format only)

CQC will post a list of received logs on its web site at:
<http://www.mtechnologies.com/cqc>

Date: Fri, 17 Jul 1998 12:35:59 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: wb5rue@stic.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15353] Re: Know of any Linears for the Hw-8?
Message-ID: <35AF8B7F.45E7D910@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And to take it a step further, again hopefully not sounding "smart," there is no need for involving linearity in the operation of such an amplifier. A Class-C design, as Kevin says, will do the trick.

I suppose that Greg probably used the term "linear" in the original posting subject line to mean simply an outboard, add-on stage, rather than referring to the specific type of amplifier commonly used with both CW and SSB where linearity is a requirement. For CW operation, among others, there is no need to complicate a design, or confuse the requirement, by introducing the notion of linearity.

All that counts here is watts in and watts out and a clean spectrum.

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Kevin Muenzler WB5RUE wrote:

>
> I don't mean to sound smart or anything but this is
> ham radio, build one. A low power class-C amp is a
> very simple thing. One transistor and a few
> impedance/filtering components and you have it. I
> think I remember seeing a construction project in the
> ARRL handbook for a low power amp for QRP. If I can
> find it I'll let you know.

>

> Kevin

>

> > -----Original Message-----

> > From: owner-qrp-l@Lehigh.EDU

> > [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of

> > GREGORY HEATH

> > Sent: Friday, July 17, 1998 1:30 AM

> > To: Low Power Amateur Radio Discussion

> > Subject: Know of any Linears for the Hw-8?
> >
> >
> > I am looking for an amp for the Hw-8. anybody have one or
> > know where I
> > could get a circuit board for one. 2.5 watts is OK,,,but
> > would be nice to
> > operate at higher pwer when conditions are not good. Like 15
> > watts or so.
> > just a thought. Greg.

Date: Fri, 17 Jul 1998 13:44:33 -0400
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [15354] Sudden?neophyte?Epiphyte help needed
Message-ID: <199807171344_MC2-5370-9C6B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi gang,

Juan posted a request for info on the Sudden type unit on the G-qrp list,=
I
don't think he has access to the qrp-l. The attached summarises situation=
so far, Can you help? reply direct to Juan please!

Copy of e-mail attached:-

Hola Juan,

I'm not sure about Dan's because we don't deal direct with the US of A mu=
ch
from here in Scotland. I know from the qrp-l he has a good reputation for=
dealing with.

Perhaps someone from that list will reply to you, I will post this as an
item to the list for you.

72 and 73 de Mel
GM6JAG
Edinburgh, Scotland UK

Home of the last HW9

Area Chairman, British Caravanner's Club
Web Pages <<http://users.aol.com/bccscot/page1.html>>

Alternate e-mail address: <melgm6jag@aol.com>

Authorised at 11kv, 33kv, and up to 275kv

Check out < <http://users.aol.com/euramcom/welcome.html> >
for details of euro-american components equivalents!

COPY OF MESSAGE FROM JUAN ON G-QRP LIST. Is it possible for anyone to throw
some light on the matter to Juan?

Juan is "Juan David Zuloaga" and he is hk4b@epm.net.co

Hi Mel,

Thanks for responding.

I can get from Dan=B4s small parts a 10.7 MHz "green" IF transformer which
I understand can be modified to become a front end transformer for 40 Meters.
However, I don=B4t know if I can use the same coil on the Local Oscillator=
=2E =

do
you know about this?

A long time ago=F3 I purchased a Ramsey HR-40 receiver (Same basic design =
we are talking about) and it has a different coil for the local oscillator (T0=
K0
K6886) which I have no idea if it can be replaced with another 10.7 IF
transformer (42IF-123). but up to now I was willing to take a chance.

Now I am worried since I have to purchase components for about 15 kits and
I need to make them economical so I will be buying the main components from=
Dan=B4s, the PC from FAR but I have no idea where to get the oscillator coil.
il.

As I posted on the list, this kits will be to teach about 80 kids that wa=

nt
to become Hams some basics. I wil need to be buying parts ASAP. What Ide=
as
can you give me?

Thanks,

Juan Zuloaga
HK4BMG
hk4bmg@epm.net.co
LIGA COLOMBIANA DE RADIOAFICIONADOS
COMITE JUVENIL

Date: Fri, 17 Jul 1998 13:45:59 -0400
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
To: qrp-l@Lehigh.EDU
Subject: [15355] Electronic Workbench
Message-ID: <3.0.1.16.19980717134559.44171684@mail49.mci2000.com>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

Gang.....anybody on the list familiar with/a use of a
product called Electronic Workbench? I got some literature
from them yesterday, and they are offering a "personal" version
at a reduced price. Looks like a decent schematic capture,
SPICE simulation, PC board layout system that is tightly
integrated.

Any/all comments appreciated.

Thanks.....Jim

Jim Kortge, K8IQY (ex NU8N)		NorCal, QRP-L
jokortge@mci2000.com	__o	H.F. bicycle mobile
Fenton, MI	_'\<	Mizuho 17/40 SSB
...	(*)/(*)	...
NorCal 38S/30 Log - 34 States;	40 Countries - Running 3 watts	
Most recent -	Iowa	Mauritius
NorCal 38S/17 Log - 22 States;	51 Countries - Running 1.5 watts	
Most recent -	Alaska	Ecuador

You said "P Spice has died along with the parent company". Does that mean what I think it means?

dit dit

Chuck Adams K5FO Dallas, TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Fri, 17 Jul 1998 13:18:05 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15358] Re: Bugs and ETC
Message-ID: <35AF955D.772E18D2@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ron, thanks for your interesting posting. My only comment is that I think that you would be astounded to know (which we can never do, of course) just how many guys work hard to develop intentionally a "distinctive" fist and swing so that they will NOT sound like a computer.

I know that in my ham youth you were considered just one step removed from a lid if your fist sounded very much like a code machine. You obviously hadn't had any experience or you would have already learned to send like the big boys, etc.

Fortunately, today the emphasis IS on sending proper code, and computer teaching/practice programs have had a lot to do with that. I fully support this approach and try hard to keep my code conforming to the established spacing specs.

But, you are always going to have a few guys around who view machine-like code with suspicion and will perpetuate their swing until they can't bang the bug anymore. As well as the group who have just discovered the "bug" and are unable to adjust it properly and/or are unwilling to devote the practice and effort it takes to send really good code with a bug. This latter group, I believe, is responsible for a lot of the postings which amount to "have fun, someone will be able to copy this mess."

I suspect by your call that you have been around for a while, but maybe

not back into those dark days of the late 30's and 40's! Back then, there were two classes of ops: beginners and weirdos with straight keys, and "real men" with bugs and cootie keys. Most of the latter have died off by now, but their legacy seems to be living on.

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Monte Stark wrote:

>
> Wow,
>
> No wonder so many people can't copy bugs.....
>
> Maybe I am missing some e-mails but the ones I have read
> don't condone poor sending nor do they say anything about
> how hard people work to send bad code intentionally!
>
> I can't believe how many people have read into these posts
> that poor cw sending is somehow good. Or is what people
> with bugs are trying to do. Or that people work hard to
> come up with some "swing" that no one can copy!
>
> Geeeeessssh people, get a life!
>
> I think everyone here is smart enough to know that the goal
> is to send proper CW. (And that really does mean NO FARNSWORTH
> spacing either!).
>
> What I have seen in these exchanges is that people are working
> hard to send good CW with their bugs. Many, like me, keep the
> bug in the box because we no longer send good code with it.
>
> Far too many don't want to admit that being able to copy less
> than perfect CW is not only just another level in the code
> picture but also lets them miss out on many great QSOs.
>
> Is a good fist more fun to copy than a poor fist? You bet!
> Can I copy poor cw as well as I used to? Nope! I have also
> been spoiled with so much good code.
>
> But at least I know what the score is! :-)
>
> In my 45+ years of hamming I have yet to know someone who
> tries to send poor code!
>

> I was glad to see the post about the poor CW from hand keys!
> 90% of the hand keys I hear are sending very poor CW. Just
> as bad a many of the bugs. But it's usually slower and easier
> to figure out! (Gee, do ya suppose that might have something
> to do with skill level?)
>
> OK, back in my hole!
>
> PS: Notice that there is nothing in this post that says poor
> code should be a goal or that it's nice to the other guy or
> better to copy than good code! :-)
>
> 73, Ron, SOWP 5545M,
>
>KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
>QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

--

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Date: Fri, 17 Jul 1998 15:25:00 -0400
From: "Tracy, Michael, KC1SX" <mtracy@arrl.org>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [15359] Re: QEX Editor
Message-ID: <m0yxF8G-000ZmdC@mgate.arrl.org>

Chris Trask wrote:

>
> Does anyone know who is presntly the technical editor for QEX
> and how to go about contacting him? Looks as though Rudy Severns has
> dropped out of the picture, or has at least changed his email address.

Chris and the group.

The new QEX editor is Doug Smith, Sr. Engineer at Kachina. See Aug
QST's Happenings column for full details.

73/72, Michael Tracy, KC1SX

Date: Fri, 17 Jul 1998 14:21:26 -0400
From: "Laurent C. Lafond" <aa1qj@ids.net>
To: qrp-1@Lehigh.EDU
Subject: [15360] GelCell Charge Indicator
Message-ID: <35AF9626.3940@ids.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang -

About a year or so ago someone posted to the list the schematic (simple drawing) of a GelCell Charge Indicator.

It was a real simple circuit, but my memory went with my hard drive on this.

If the QRP'er is still out there, maybe he can refresh my memory (I'll try to keep the hard drive from crashing). Or maybe someone else can come up with a solution. I have been unable to. (Memory is the second thing to go)

It was comprised of a 100 ohm 10 watt resistor, a 12 volt emitting diode, and a zener (I believe). I don't believe that there was anything else in the circuit, but it would seem to me that there has to be. What happens is that when the GelCell gets to 12 volts (charged up), the emitter lights up and voila...it was specifically designed to work with the wall wart rechargers for HTs, if I remember correctly.

Any help would be appreciated.

Laurent AA1QJ

Date: Fri, 17 Jul 1998 13:33:10 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: w4bld@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15361] Re: Question about SG-2020
Message-ID: <35AF98E6.1799FF70@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Suggest you pursue this thread in Deja-News. There have been several reviews so far.

72/73, George

Amateur Radio W5YR, 52 years and counting!

QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403

AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Robert B. Kerby wrote:

>

> Hello and Thanks for reading this post -

>

> After 44 years in ham radio, I have decided to go QRP. I have a HW-8 but
> have ordered a SG-2020 which has been on back order since March.

>

> Yesterday, I was talking with a QRP OP who told me that the rig is no
> good on CW, the very thing for which I wanted to use it primairly.

>

> If anyone out there has a comment on this rig, please let me know. You
> might just save me experienceing at \$600.00 "also bought" experience.

> Many Thanks, Bob

Date: Fri, 17 Jul 1998 13:37:59 -0500
From: plundy@max.state.ia.us (Paul Lundy)
To: qrp-l@Lehigh.EDU
Subject: [15362] Poztponing e-mail from qrp-l
Message-ID: <35AF9A06.AD446D61@max.state.ia.us>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

How do I not receive e-mail from qrp-l for two weeks? I have done it before but left my "cheat-sheet" home today. Thanks

Date: Fri, 17 Jul 1998 14:36:34 -0400
From: Luke Stras <stras@ecf.utoronto.ca>
To: qrp-l@Lehigh.EDU
Subject: [15363] Re: Electronic Workbench
Message-ID: <Pine.SGI.3.96.980717142844.13850B-100000@skule.ecf>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

> You said "PSpice has died along with the parent company". Does
> that mean what I think it means?

That's what I've been led to believe. From the MicroSim home page
(http://www.microsim.com/qna_f.htm):

Q: Which MicroSim brand products are being discontinued?

A: PCBoards, PLSyn, Schematics, PSpice Basics, and DesignLab.

Q: Which OrCAD products are comparable to the discontinued MicroSim software?

A: PCBoards maps to OrCAD Layout products; PLSyn is comparable to OrCAD Express;

Schematics is replaced by OrCAD Capture; PSpice Basics users may move to another

PSpice product. For DesignLab, choose any combination of a PSpice brand product plus an

OrCAD Layout product and OrCAD Express, if desired.

So this seems to mean (at least, that's the way I parse it) that PSpice is gone.

Now, OrCAD *is* offering something they call OrCAD PSpice; their web site is not very forthcoming on this. Lacking screen shots, I can't tell whether this is the original PSpice, with an OrCAD logo, or whether they provided a new interface to the old engine. However, reading the above quote, it looks like many of the products got axed -- especially the entry-level (read: cheap) ones.

This isn't quite as bad as my original message said -- there is *some* form of PSpice left. But I can't say how much, and at what prices.

--

Luke Stras stras@ecf.toronto.edu
Code Monkey, UTIAS Flight Simulation Group (416)667-7725
"The network is perfect; all problems are caused by users" --BOFH

Date: Fri, 17 Jul 1998 13:55:13 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: Ed Tanton <n4xy@att.net>, qrp-l@Lehigh.EDU
Subject: [15364] Re: [CW] Re: High Speed CW. . .HELP!!!

Message-ID: <35AF9E11.D861E4DB@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed, Ted McElroy was reputed to have kept typing at full speed for a full 20 seconds after transmissions ceased during his world-record run. I don't think that it was exactly memorization - more like a FIFO buffer.

At my age, I can't remember what I was even doing 20 seconds ago!

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Ed Tanton wrote:

> As an answer to your actual question, I have heard that McElroy et al would
> continue writing/whatever for many minutes after a high speed code run...
> so obviously they were memorizing it as they went. Quite a trick unto itself.
>
> 73

> Ed Tanton N4XY

Date: Fri, 17 Jul 1998 13:59:10 -0500
From: Mike - W0TMW <crucis@sky.net>
To: cnse97@lmpsil02.comm.mot.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15365] Re: QSL Cards
Message-ID: <35AF9EFE.5EA59AAD@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes, but what program do you use to create your QSL card?

Mike - W0TMW

Tellefsen Bob-CNSE97 wrote:

>
> Nat

> With the proliferation of home computers, a lot of us are making our own
> now, rather than buying 500 or 1000 at a crack.
>
> The advantages are that you can customize your card for various
> operating events--FD, QRP to the Field, BUBBA, the annual Fox Hunts,
> etc. If you have an inkjet printer, you can even put color on the card.
>
> Another small advantage is that with people moving a lot these days,
> you aren't stuck with a bunch of cards with old addresses or other info
> on them.
>
> It is fun to crank out a card of your own design. There are logos
> available to put on your cards, such as ARRL, Nor-Cal, QRP ARCI, etc.
> You can personalize your card as far as you like. Add a piece of clip
> art if you see one you like.
>
> You can make each card unique, or make a production run. I usually run
> off about 25-30 cards at a time so I can keep a few ahead. These are
> my regular cards. I make up special event cards on a demand basis so I
> don't overstock on them.
>
> Hope this helps a bit.
> 73, Bob N6WG

--

```
=====
Mike Watson, WOTMW           QCWA Mbr# 28651, MidContinent Chapter #35
Raymore, Missouri, USA      Grid: EM28st, ARS# 352, QRP-L# 1849
http://www.sky.net/~crucis   E-mail: crucis@sky.net  ARCI# 9647
=====
```

Date: Fri, 17 Jul 1998 15:10:29 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [15366] Re: QEX Technical Editor
Message-ID: <35AFA1A5.77F@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>From the ARRL WWW page:

Doug Smith, KF6DX, the Chief Engineer at Kachina, will take over the
editorial reins of QEX--the Forum For Communications

According to his QEX article, try: dsmith@sedona.net

--Zack W1VT

Date: Fri, 17 Jul 1998 20:04:31 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15367] Atmel AVR microcontroller proto PCB
Message-ID: <SJVcFDA\$A6r1EwWz@lfheller.demon.co.uk>
MIME-Version: 1.0

On balance, I prefer the Atmel AVR microcontrollers to the more commonly used PICs. The AT90S1200 is roughly equivalent to the popular PIC 16F84 in terms of its capabilities, but is about four times faster for a given clock frequency, has a *much* nicer architecture, is cheaper, and can be programmed in-circuit via the PC printer port with a very simple circuit - just one capacitor needs to be added! It can be used for all the usual radio applications - keyer, beacon, synthesiser controller, etc.

I've designed a simple prototyping PCB for the 1200 and have made the schematic and artwork files available on my web site:

http://www.lfheller.demon.co.uk/avr_proto.htm

The PCB is designed for easy home construction - single-sided with wide tracks - and all the components (including the 1200) are available from Maplin.

Free data and development software (including a simulator) are available on the Atmel web site:

<http://www.atmel.com>

Programming software is available from:

<http://www.sistudio.com/avr.html>

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/dds.htm> for details of a simple AD9850 DDS system. See " ["/diy_dsp.htm](#) for a simple DIY DSP ADSP-2104 system.

Date: Fri, 17 Jul 1998 14:16:18 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: jokortge@mci2000.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [15368] Re: Electronic Workbench
Message-ID: <35AFA302.17C594A8@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim, I have used it for several years now. Using Release 5.0c presently.
It was \$299 when I bought the upgrade. The PC layout system is a
separate program that was not available when I got 5.0c.

In my view EW is outstanding. Since becoming fairly proficient in its
use, I look back sadly to all the years (literally) that I wasted in the
lab (a real one) in developing the control system which was recently
awarded a patent. Now, I can do more in one morning that in a week
previously. If you are doing any even semi-serious circuit design, etc.
EW will change your life.

Get their demo and work through the features and then try out some
circuits you have already developed and see how much MORE you can learn
about them.

72/73, George
Amateur Radio W5YR, 52 years and counting!
QRP-L #1373 QRP ARCI #9583 FISTS #4930 ARS #403
AutoPOWER Systems, Fairview, TX (30 Mi. N. of Dallas)

Jim Kortge, K8IQY wrote:

>
> Gang.....anybody on the list familiar with/a use of a
> product called Electronic Workbench? I got some literature
> from them yesterday, and they are offering a "personal" version
> at a reduced price. Looks like a decent schematic capture,
> SPICE simulation, PC board layout system that is tightly
> integrated.
>
> Any/all comments appreciated.
>
> Thanks.....Jim

Date: Fri, 17 Jul 1998 19:37:55 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [15369] Re: Poztponing e-mail from qrp-l
Message-ID: <35AFA813.6783@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You must Send email to: <mailto:listserv@Lehigh.EDU>

NO Subject field(Blank).

BODY OF MESSAGE:
SET QRP-L MAIL POSTPONE

To restart email:
Send email to: <mailto:listserv@Lehigh.EDU>
Subject: (empty field ignored)
Body of message:
SET QRP-L MAIL ACK

To see all commands (And save this file for later use:)
Send email to: <mailto:listserv@Lehigh.EDU>
Subject: (Ignored, leave empty)
Body of message:
HELP

Hope this helps.

-Ed

--

72, =ED, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Fri, 17 Jul 1998 20:52:48 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [15370] Summary for QRP-L Commands
Message-ID: <199807171952.UAA17375@chuck.dallas.sgi.com>

OK Gang,

Here is a short summary of some useful commands.

-----cut here-----

QRP-L COMMAND SUMMARY LIST --- VERSION 1.0 --- Aug 14, 1997

NOTES: your_name is to be replaced by your name, e.g. Ludwig Beethoven
your_call is to be replaced by your call, e.g. K5FJZ or NO_CALL

199X 9XMMDD means year 199X and month MM and day DD, thus
1997 970208 is February 8th, 1997 and the digest for
whole day

In some of the examples below the upper case letters are to avoid
confusion.

Your QRP-L numbers are for life. No need to redo it if you unsub
and then come back later, go on vacation, etc. It is a non-contestable
part of any divorce proceedings and non-transferable. It will not
be reissued as part of a 'vanity-number' program. :-) ;-) It cannot
be willed to a family or non-family member. Let us know if you get a
vanity call.

Some of the files in some of the directories that have a .ps in
their name are PostScript files and must be printed or viewed using
a PostScript compatable printer or viewer.

The ACK command will start back individual receipt of postings and
terminates the DIGEST and POSTPONE commands.

email to	command in body or message	results of same
LISTSERV@LEHIGH.EDU	SUBSCRIBE QRP-L your_name your_call	get on the list
LISTSERV@LEHIGH.EDU	UNSUBSCRIBE QRP-L	exit the list
LISTSERV@LEHIGH.EDU	SET QRP-L MAIL DIGEST	rcv digest mode
LISTSERV@LEHIGH.EDU	SET QRP-L MAIL POSTPONE	stop qrp-l temp.
LISTSERV@LEHIGH.EDU	SET QRP-L MAIL ACK	restart qrp-l mail
LISTSERV@LEHIGH.EDU	RECIPIENTS QRP-L	get list of members

LISTSERV@LEHIGH.EDU	INDEX QRP-L -ALL	list files online
LISTSERV@LEHIGH.EDU	GET QRP-L/subdirectory filename	get file from list
LISTSERV@LEHIGH.EDU	GET QRP-L WELCOME.TXT	get welcome file
LISTSERV@LEHIGH.EDU	GET QRP-L/ARCHIVES-OLD/199X 9XMMDD	get one day posts
LISTSERV@LEHIGH.EDU	HELP	get help
LISTSERV@LEHIGH.EDU	RUN QRP-L X GETNR your_call	get secret number
LISTSERV@LEHIGH.EDU	GET QRP-L/MISC MEMBER_NUMBERS.TXT	get secret nr list
LISTSERV@LEHIGH.EDU	RUN QRP-L X QRP_CALL	get calls by area
LISTSERV@LEHIGH.EDU	RUN QRP-L X FCC_CALL callsign	lookup up call
LISTSERV@LEHIGH.EDU	RUN QRP-L X CALLS2DIST call1 call2	lookup call2 & dist
QRP-L@LEHIGH.EDU	Message you want broadcast to group message to qrp-l	
	Put none of the above commands in message to the group.	
	Avoid repeating previously posted messages and lengthy	
	signature files, please.	
ADAMS@SGI.COM	Message	message to Chuck
LUJCE@LEHIGH.EDU	Message	message to Jim

-----+-----+-----

ftp to

FTP.LEHIGH.EDU for ftp site. Note that .Z should be omitted in GET command
for getting files uncompressed. Use filename without .Z extent.

web site

<http://www.lehigh.edu/lists/archives/qrp-l> To get postings (all lower case).

If you use the web facilities, please subscribe, then do a POSTPONE.
You will show up on the list and you can post, otherwise you will only be
able to read from the list.

Chuck Adams K5FO Dallas,TX CP-60
<http://reality.sgi.com/adams> adams@sgi.com

Date: Fri, 17 Jul 1998 18:53:45 +0100

From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@Lehigh.EDU>
Subject: [15371] Ft Tuthill
Message-ID: <199807171953.0AA28071@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang:

Due to a change in plans, we are not going to be able to attend this year.
Sorry to miss the opportunity to see some of you again...Maybe next year...

Have a good one...

Larry KA5T

Date: Fri, 17 Jul 1998 12:55:50 -0700
From: Conrad <radman@best.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [15372] 11-2-10M - Steve's proto running at 3.5 watts...
Message-ID: <01BDB182.39F89860.radman@best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Breaking News:

Steve Weber just reported his 11-2-10M conversion prototype is running 3.5 watts RF output! He's still got a bit of fine-tuning to complete... he says it's been a bit touchier than he thought getting the innards of the CB set to "peak-up" after the transplant surgery.

All we need are favorable 10M band conditions and we'll be going for coast-to-coast on 10M AM. :) (yes, propagation will have to improve a bit...:)

More news as it happens,

72 - Conrad Weiss - NN6CW

Date: Fri, 17 Jul 1998 16:23:25 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [15373] Re: Know of any Linears for the Hw-8?
Message-ID: <35AFB2BD.7B54@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I ought to add that the the word "linear" really ought to be in quotes for this application, since class C amplifiers are typically quite non-linear.

Also, I'm not really certain that the conduction angle definition of amplifier classes is always used with total accuracy either. Not that it is really worth the effort of plotting out the actual waveforms or trying to categorize zero bias depletion mode FETs fed with a current limited supply (suppose the maximum current occurs with zero signal).

--Zack W1VT

Date: Fri, 17 Jul 1998 16:24:54 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-1@Lehigh.EDU
Subject: [15374] That Bug thing
Message-ID: <13877@w4bkx.ampr.org>

John J. McDonough writes: "I've never used a bug....

Now when I hear those machine gun dits...

"move on to the next station."

Well, you just might miss out on making a new friend.

When I tune the phone band (yup, I *DO* have one of them thangs with the curly wire and button on one side)

I enjoy listening to the different "accents". You may not be able to tell where someone is located by their callsign, anymore, but you can get a good idea where they grew up.

Anyway, once I got a call from a guy who said I had "Lake Erie swing". He had been listening to me rag-chew with another bug

user and became nostalgic. Said I reminded him of his days as a telegrapher on the Railroad. Now, I never worked on the railroad, but I * AM * from Western PA - not too far from Lake Erie and my Father * DID * work on the railroad. I dunno where this all figures in, maybe it's the water. He said he was enjoying my fist and gave me a call. I think we talked for over an hour. At least it was one of those QSOs that remained on the top of my memory. I'm sure if I went back into my old logs, I'd find the notes. (I make a lot of notes in my logs, about all sorts of things, kinda like a diary I guess, although not every day.)

Point is: I'm sure glad he didn't just "move on to the next station."

de W4PJ / Scott
----- 73 -----

Another thing, It seems that when I'm using my old bug the QSOs last a lot longer and the conversations are over a wider range of topics. Maybe that "Lake Erie swing" brings out their talkative side. Lord knows I've never had a problem rambling on and on.....

Date: Fri, 17 Jul 1998 14:07:02 -0600
From: w0yse@juno.com (Neil Klagge)
To: nhoop@centuryinter.net
Cc: qrp-1@Lehigh.EDU
Subject: [15375] Re: Bugs, et.al.
Message-ID: <19980717.143056.10406.0.w0yse@juno.com>

Speaking of good sending, with bug, keyer whatever, it sure helps when the cw op you're listening to puts the proper spacing between the words, too. I can't copy the high speed stuff in my head (especially when mobile, watching traffic) without good separation between words. Thanks to all of you who do use good spacing, no matter what ur keying method.

---72/73's
Neil, w0yse since '54
now from Layton, Utah

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>

Or call Juno at (800) 654-JUNO [654-5866]

Date: Fri, 17 Jul 1998 16:15:18 -0500
From: John Burnley <JBurnley@ifmc.org>
To: qrp-1@Lehigh.EDU
Subject: [15376] W4PJ
Message-ID: <s5af78b6.044@ifmc.org>
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

Sorry for the bandwidth, but Scott responded to my posting about a CB conversion entry on a website with a question. My replies to Scott have all bounced as undeliverable. Scott I didn't ignore you but can't seem to get the info to you. Yes, the author is ZR6EV and I'm wondering if you have you tried any of his conversions?

72/73, John NU0V

Date: Fri, 17 Jul 1998 17:16:04 EDT
From: SKIPNC90@aol.com
To: jparker@fix.net, qrp-1@Lehigh.EDU
Subject: [15377] Re: CB TO 10
Message-ID: <7bafd5b.35afbf15@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

HI Jerry,

It's the 11.80666 Xtal that needs to be changed. That only gets you on ten with the regular channel switch. There are holes in the steps every 40 Khz in the 1 to 23 channel range.

With an added swicth those missed steps could be picked up. Or you could burn a ROM that would give you all the channel steps. The best would be to use a PIC and an encoder to control the PLL and give you a frequency readout also (like the Steve Weber

project).

73 De Skip NC90

In a message dated 98-07-17 02:13:19 EDT, jparker@fix.net writes:

<< Subj: CB TO 10
Date: 98-07-17 02:13:19 EDT
From: jparker@fix.net (Jerry Parker)
Sender: owner-qrp-1@Lehigh.EDU
Reply-to: jparker@fix.net
To: qrp-1@Lehigh.EDU (Low Power Amateur Radio Discussion)

Just wondered if you have considered replacing the 10.? Mhz crystals in the receive and transmit chain and retune. No fussing with the rest of the rig....????

72,,,Jerry...WA6OWR...K

>>

Date: Fri, 17 Jul 1998 17:16:50 EDT
From: Shephed@aol.com
To: qrp-1@Lehigh.EDU
Subject: [15378] Re: QSL Cards
Message-ID: <7e044b70.35afbf43@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

>Yes, but what program do you use to create your QSL card?

>

>Mike - W0TMW

Mike,

Point your browser to my homepage, <http://members.aol.com/shephed/n8vzu.htm>

There you'll find a blank graphic made with Windows Paint program that you can use to make your own. I also have a few examples of mine.

73's

Dan, N8VZU

QRPL #1404

Fists #4985

Date: Fri, 17 Jul 1998 17:20:24 EDT
From: RABRUNER@aol.com
To: zlau@arrl.org, qrp-1@Lehigh.EDU
Subject: [15379] Re: Know of any Linears for the Hw-8?
Message-ID: <9b2a4a1b.35afc019@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Actually there is good argument for using linear amplifiers for c/w to preserve the keying waveform of the signal. Since a class C amplifier doesn't conduct when the drive is at low level, there is a tendency for a class C amp to "sharpen" the rise times of the envelope. The way around this, of course, would be to also key the amplifier and shape the waveform there, but then you would need to go back to the Hw-8 and "widen" it's keying to have RF present when your amplifier starts ramping up. Probably more trouble than it's worth

In any case, regardless of the device employed one can't properly call a class C amplifier "linear" -- unless it is operating on 27MHz, where all amplifiers seem to linears.

73's
Bob Bruner
WB4TAJ

Date: Fri, 17 Jul 98 17:27:38 PDT
From: "Robert Roach" <KE4QOK@worldnet.att.net>
To: RangerSF5@aol.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [15380] Re: WHY TAPES???
Message-ID: <MAPI.Id.0016.004534514f4b20203030303630303036@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: quoted-printable

There is absolutely know doubt that the RX is the most realistic place = to learn CW. But I found that with limited time to listen I could not = always find a station in the appropriate speed range for my current needs= . For that reason I supplemented listening with tapes and computer progr= ams.

73 de KE4QOK

Bob

> Just my 2 cents here and no flames please?
> I so often ask myself why hams buy CW tapes when the best piece of gear=
is
> your RX.

Date: Fri, 17 Jul 1998 17:34:04 EDT
From: w4pj@w4bkx.ampr.org
To: qrp-l@Lehigh.EDU
Subject: [15381] HOMEBREW QSL CARD
Message-ID: <13886@w4bkx.ampr.org>

I used to make mine with rubber stamps. Had the stamps made locally with my own design for less than \$20.

I still make one from time to time when I get a request (for my former callsign). Use 3-1/2 x 5-1/2 card stock bought in bulk at one of the "Dollar" stores.

de W4PJ / Scott

----- 73 -----

BTW Hints and Kinks printed my little letter about it a cpl years ago.
(ex-KR4GJ)

Date: Fri, 17 Jul 1998 17:56:31 EDT
From: MNHopkins@aol.com
To: Boatanchors@theporch.com
Cc: QRP-L@Lehigh.EDU
Subject: [15382] Hijame Suzuki's remarkable RX
Message-ID: <1f6760e0.35afc890@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Earlier I alluded to a two tube (6AU6/6AV6) regenerative receiver built by a Japanese and used to monitor and verify over 200 stations. The rig first appeared in Walt Burdine's Novice column in CQ in February, 1966. Later there

were complete construction details. Now the circuit and article is picked up by Lindsay Publications:

"How to Build Your First Vacuum Tube Regenerative Receiver," Lindsay, T., Lindsay Publications, 1997, 127 pages.

"1934 Official SW Radio Manual," Lindsay Publications,

Lindsay publishes all sorts of books and can be found at:

Lindsay Publications
Box 578
Bradley, IL 60916 -- or ---

<http://www.keynet.net/~lindsay>

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58

Michael Hopkins
Box 226841
Dallas, TX 75222 MNHopkins@AOL.com

Date: Fri, 17 Jul 1998 18:08:56 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: SBillingsley@usaninc.com, qrp-1@Lehigh.EDU
Subject: [15383] Re: Spectrum Analyzer Article in Aug 98 QST
Message-ID: <199807172206.SAA10635@sparticus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> The referenced article written by Wes Hayward W7ZOI and one other
> ham(sorry I don't have the name with me). Its looks like a great
> possibility for a KIT. Is there anyone out there thinking about kitting
> the parts and PC boards? I, for one, would be like to buy a kit. The SA
> could be made by individuals using a variety of techniques but a KIT
> would provide a uniform platform for a lot of us that can't afford a
> commerical SA unit. Good reading. This was Part One of a two part
> article. I've been looking for this solution for a long time. Way to go
> Wes!
>
> Sam AE4GX

Sam and others on QRP-L - I will be doing a kit - below is a copy of the response I have sent to those who have emailed me for more info already.... More when I get back in about ten days..... I will post info on the list when I am set up. In the meantime - if anyone on the list is SERIOUSLY interested - drop me an e-mail - a large initial parts order on my part really helps the final price!

To all those who inquired about the Spectrum Analyser boards / kit based on the article by Wes Hayward and Terry White in the recent QST:

The set of five boards will be available in mid August for a total cost of \$42 plus \$3 s/h. I will be out of town the week of the 14th of August, so they probably will not ship until the week of the 27th.

More info on the PC boards should be available on my web site sometime this weekend.

I intend to provide some sort of a kit of parts for the SA, but I have not yet determined exactly what will be included or what the final pricing will be. I will e-mail all of you info on the parts and post it on my web site when it is available - probably early August since I am going to be out of town this coming week.

Orders can be paid for with cash, check, money order, or VISA/MC.

Thanks for your interest in the Spectrum Analyzer!

73 - Bill - N8ET
Kanga US
3521 Spring Lake Dr.
Findlay, OH 45840
419-423-4604
www.bright.net/~kanga/kanga
kanga@bright.net

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Fri, 17 Jul 1998 22:17:53 GMT

From: nhoop@centuryinter.net (Nat H)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [15384] Re: QSL Cards
Message-ID: <35b5cc6b.41783512@mail.ot.centuryinter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My problem is not the graphics software. I have some dandies including Corell and PaintShop. Many printers (including mine) will not handle heavy card stock.

I'm a bit surprised that none of the card printers say that they will accept graphics files drawn by the customer. Yeah, I know...it WOULD be a hassle(G).

73 Nat KM5QU
Oxford AR

>>Yes, but what program do you use to create your QSL card?
>>
>>Mike - W0TMW
>
>Mike,
>Point your browser to my homepage, <http://members.aol.com/shephed/n8vzu.htm>
>
>There you'll find a blank graphic made with Windows Paint program that you can
>use to make your own. I also have a few examples of mine.
>
>73's
>Dan, N8VZU
>QRPL #1404
>Fists #4985
>

End of QRP-L Digest 1155

